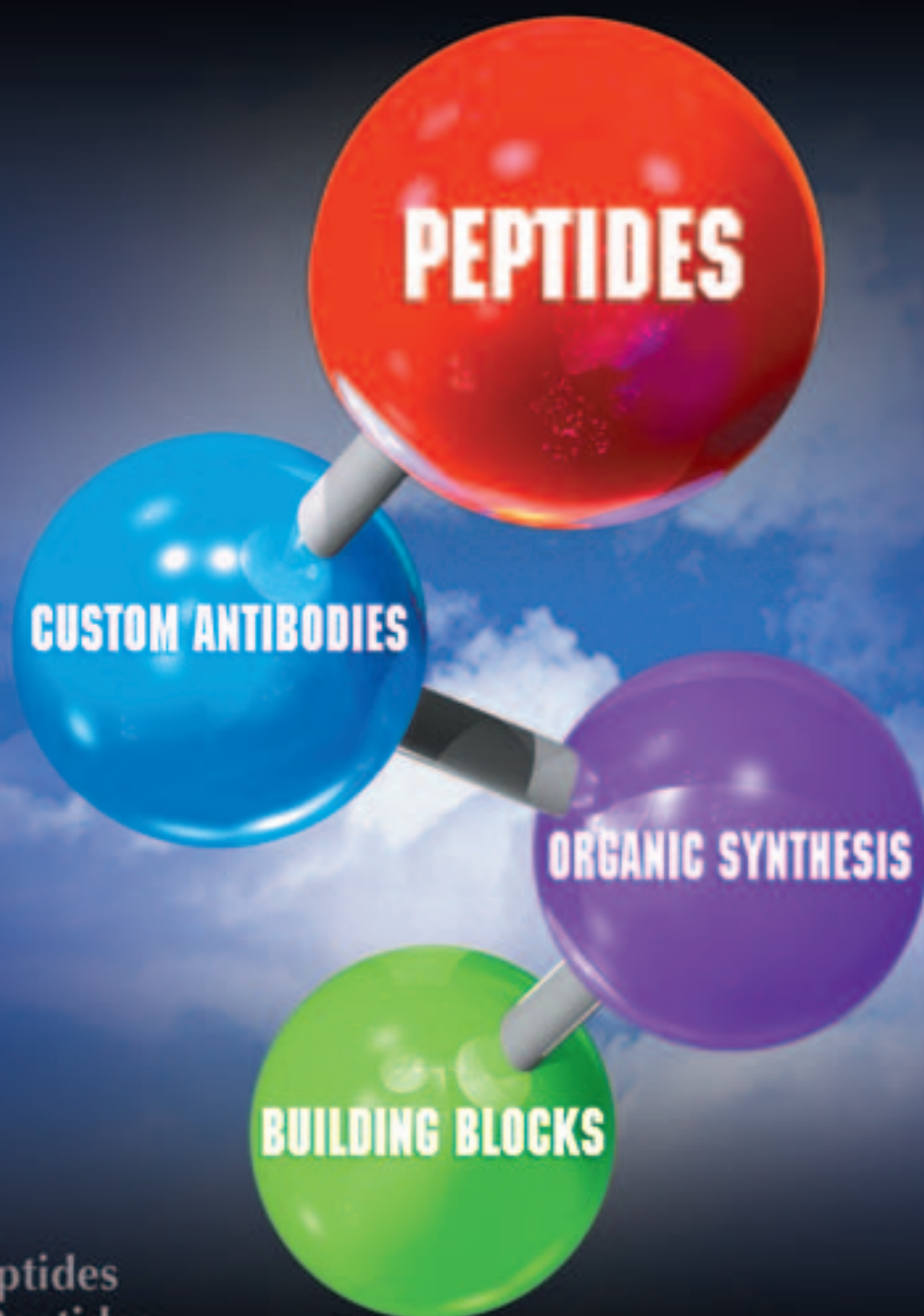


Custom Peptides...Made Easy



Custom Peptides
Bioactive Peptides
Peptide Arrays
Polyclonal Antibodies
Monoclonal Antibodies
Small Molecules
Novel Amino Acids
Amino Acid Derivatives
Resins
Accessories


NEW ENGLAND
PEPTIDE, INC.



Welcome To New England Peptide,

*Our focus is to make every interaction with our customers, from ordering and technical support to timely delivery of a dependable product, a simple and pleasant experience.
We are Custom Peptides...Made Easy.*

Our first action when starting our company was to create a list of core values that we are dedicated to and continue to operate by:

NEP will never sacrifice the quality of its products to meet a deadline or lower the costs of production.

NEP believes that honesty, integrity and consistency will be prized above all else in dealing with its customers.

NEP will strive to fully understand its customer's needs and develop its business to meet those needs.

NEP will price its products to remain competitive within the industry while being able to sustain its standards of high quality and service.

NEP appreciates its customers and their businesses and understands that not meeting customer requirements involves a cost to both NEP and its customers.



Inc.

Welcome to New England Peptide, Inc.

In a short time, we have changed the peptide industry. After spending years working with various biology and chemistry vendors, we recognized that scientists deserved a higher level of quality and service and we set out to create a company built around this vision. We have "raised the bar" for the entire industry by introducing innovative ordering and service programs and constantly exceeding our customers' expectations. We are pleased to see that the entire industry has improved and are proud that it is largely in response to our approach.

New England Peptide, Inc. is a new generation peptide company with a brand new, highly automated facility and a dedication to service unsurpassed in the industry. We have been able to consistently offer faster turn-around times, easy ordering options (including the introduction of our internet ordering option), simple pricing schemes and personalized friendly service. All with a dedication to quality that satisfies even the most discriminating scientists.

We thank you for your business and look forward to working with you in the future.

Sincerely,



Samuel and Jennifer Massoni



Custom Peptides...Made Easy!

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New England Peptide, Inc. was built around a vision of providing quality



the
BEST
products

Put simply, NEP will never compromise on the quality of our products. We understand the importance of your research and realize that the accuracy of your experiments is directly dependent on the reliability of our products. Therefore, we buy only the finest chemicals and the best instrumentation and have instituted a rigorous set of quality control protocols throughout the manufacturing process in our brand new, state-of-the-art facility.

NEP leverages its years of expertise in custom synthesis to get your order done and done right. For example, NEP uses the PepTrend® system, a unique software program designed and written by New England Peptide, Inc. to facilitate the design and synthesis of custom peptides and avoid synthesis complications.

In order to document the quality of each order, we include a certificate of analysis with complete detailed information on all relevant instruments, analytical methods, chemical lot numbers and QC procedures as well as solubility suggestions for each individual peptide.



the
BEST
service

To us, getting your order done correctly is the requirement. Getting it done quickly and supporting you with superior customer service is how we measure our true success. Typically, custom peptides ship within 2 to 3 weeks.

One specific thing for which we will not sacrifice product quality is meeting a deadline. As is true of any scientific experiment, the element of unexpectedness does sometimes occur in our processes. We pride ourselves on being completely forthright with our customers and practice proactive customer service if we foresee any problems with an order.

We also pride ourselves on providing personal and expert customer service, the kind of service you'd expect from a quality American company. You should expect to speak with a scientist who understands the technical nature of your questions, not just an administrative customer service representative.

Think of New England Peptide as

quality products and the highest level of customer service in its industry.



Enter Sequence
WLDGGSLAVLP

Synthesis
Customer: 1,6-HEXANOL, has a propensity for aggregation under drying conditions, especially for protecting groups on D and L.
Solutions: use alternate protecting groups, avoid low boiling solvents, reduced roughness or change container.
You may see problems with any D residue with GLYCYLALDEHYDE due to impurities or degradation formation of D, in form of water, MS: 44.
Solutions: Use 2000 psi solvent stream under before D, alternate coupling scheme, customer reaction using T3 appears promising in day 1, see laboratory report by 09/11.

Cleavage
This customer may not have sufficient charge, it may not penetrate well to allow.
Solutions: Check to HCl solution and compare the pH.

Purification
This compound has 10% hydrophobic residues in D, it may be difficult to solubilize and purify. The use of more than 100 mg may be risky and desirable to test 25 mg, from the amount to test 25 mg.

the **BEST** relationships

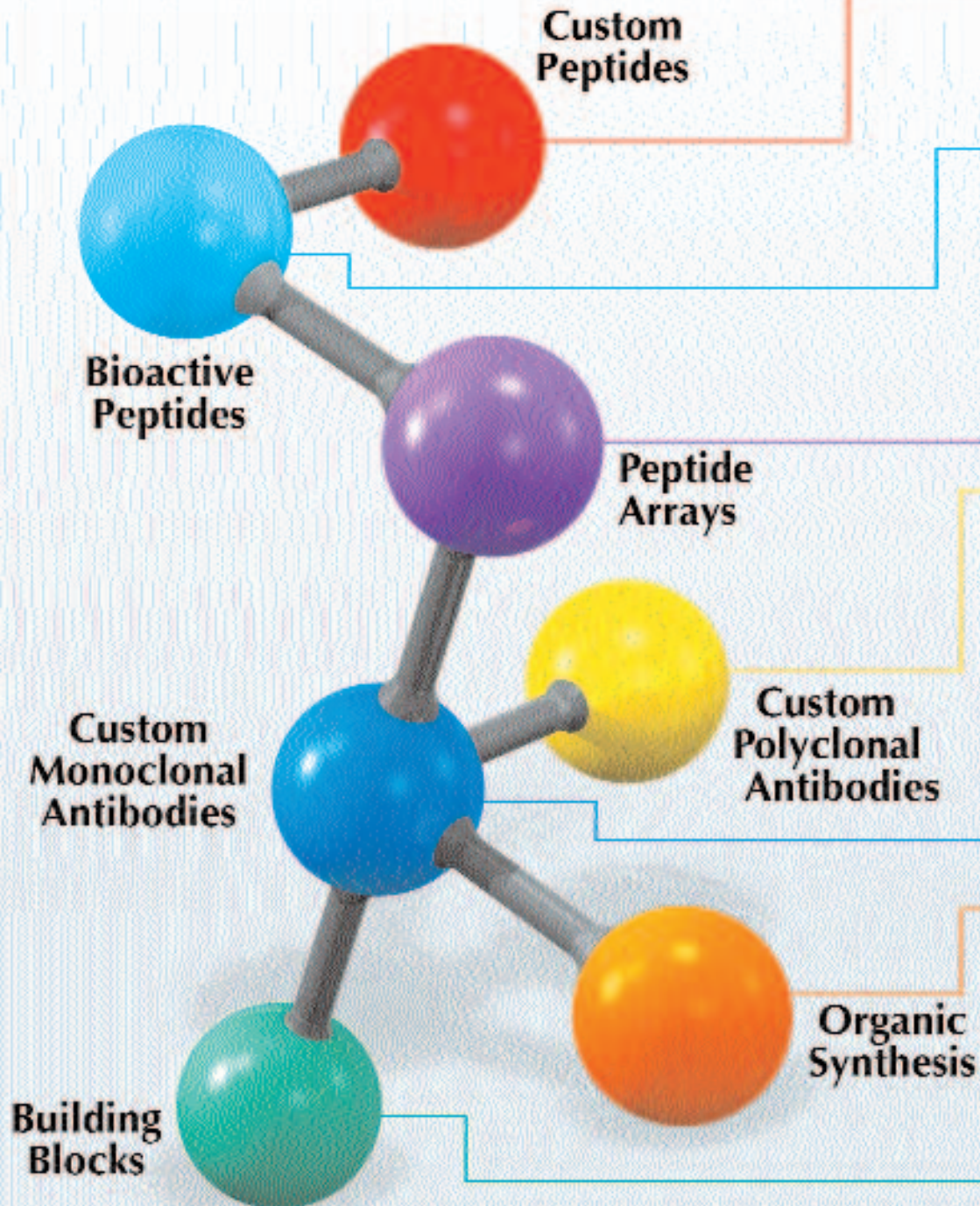
At New England Peptide, Inc. we believe in fostering deep and lasting relationships, not just with our customers, but with our vendors and with our employees. Because we rely on the quality of our raw materials, over the course of years, we have selected vendors who will ensure that we can provide the highest quality products. We also invest heavily in the training of our employees and in providing a positive working environment in which high quality and rapid turnaround time is the norm.

Ultimately, our performance and our success will be judged by our customers and, therefore, our goal is to build relationships beyond the normal vendor/customer affiliation. We seek to build strategic partnerships with our customers and have them consider us as part of their business.

your partner in research.

OUR PRODUCTS

At New England Peptide, Inc. we pride ourselves on our quality and our service. Each of our products has been put through our rigorous QC process, meets our ultra-high standards and carries our 100% satisfaction guarantee. In order to better serve our customers, we are continually looking for additional products and services that will meet their needs and which fall within the domain of our growing expertise and knowledge. We are happy to offer the wide variety of products below.



CUSTOM PEPTIDES

New England Peptide, Inc. is a leading global manufacturer of high quality custom peptides. We have successfully synthesized tens of thousands of peptides for the scientific community and have consistently met the highest standards of quality, service and technical expertise.

Peptides from 2 to 120 amino acids

- Scales from 1 mg to 500 grams
- Purities from crude to >98%
- Solid and Solution Phase Chemistry
- Phospho Peptides: Phospho Serine, Threonine and Tyrosine
- Cyclic Peptides: Disulfide and head to tail
- Special Modifications including: Phosphorylation, Fluorescein, Rhodamine, AMC, pNA, Biotin, boronic amino acids, d-amino acids, stable isotopes, EDANS, Dabsyl, Dansyl, Abz, thiolactic acids, and many others
- High Throughput Synthesis

Each peptide is analyzed using our proprietary software, PepTrend® and is shipped with detailed quality control documentation including an HPLC trace, Mass Spec and a Certificate of Analysis. Synthesis is carried out using an assortment of state-of-the-art instrumentation in our brand new 10,000 square foot facility. We also have the capability to perform a wide variety of chemistries. Most custom peptide orders ship in 2 to 3 weeks!



PepTrend® is a unique software program designed and written by New England Peptide, Inc. to facilitate the design and synthesis of custom peptides.

By utilizing the PepTrend® system, NEP can minimize errors during the production process and thereby maximize the quality of our resulting products. Every sequence is tested in the three areas of peptide production: synthesis, cleavage and purification. PepTrend® uses decades worth of scientifically proven data along with general trends found during the synthesis of thousands of peptides to warn of potential problems during any of the three areas of synthesis. Using this software, NEP can provide the highest level of service to our customers by allowing us to instantly warn customers of potential problems while seeking alternate synthesis strategies before production starts.

PepTrend® analysis is FREE with every Peptide order.

Order today by visiting our website or using the enclosed order forms and pricing guides starting on page 33.

CUSTOM PEPTIDES

CUSTOM PEPTIDES



BIOACTIVE PEPTIDES

New England Peptide, Inc. offers hundreds of high quality bioactive peptides for your research needs. Each peptide is verified by HPLC and Mass Spectral analysis and is guaranteed to be >95% pure.

Name: (313-333)[Plasmodium falciparum 3D7]
Sequence: H2N-HIYDDGTNYKGCQDTSISGRK-OH
Catalog Number: BP10-000 **Quantity:** 1mg **Price:** \$200

Name: (NCoA-3) (RAC-3) (AIB-1) (SRC-3) (613-633) Biotinyl
Sequence: Biot-LESKGGHKLLQLLTCSSDDRG-OH
Catalog Number: BP10-005 **Quantity:** 1mg **Price:** \$200

Name: 6 His peptide
Sequence: H2N-HHHHHH-OH
Catalog Number: BP10-010 **Quantity:** 1mg **Price:** \$100

Name: 7 Asp peptide
Sequence: H2N-DDDDDD-OH
Catalog Number: BP11-250 **Quantity:** 1mg **Price:** \$100

Name: 7 Glu peptide
Sequence: H2N-EEEEEE-OH
Catalog Number: BP11-255 **Quantity:** 1mg **Price:** \$100

Name: Acid alpha-glucosidase (83-99) [Homo sapiens]
Sequence: H2N-DVPPNSRFDCAPDKAIT-OH
Catalog Number: BP10-015 **Quantity:** 1mg **Price:** \$200

Name: Acidic fibroblast growth factor (102-112) [Homo sapiens]
Sequence: H2N-ERLEENHYNTY-OH
Catalog Number: BP10-020 **Quantity:** 1mg **Price:** \$100

Name: Activating transcription factor 2 (pThr)
Sequence: H2N-SVIVADQTP(pT)PTRFLKNCEE-OH
Catalog Number: BP10-025 **Quantity:** 1mg **Price:** \$250

Name: Activating transcription factor 2 (pThr53) (44-63) Fluorescein [Mus musculus]
Sequence: Fluor-SVIVADQTP(pT)PTRFLKNCEE-OH
Catalog Number: BP10-030 **Quantity:** 1mg **Price:** \$300

Name: Activating transcription factor 2 fragment (pThr)
Sequence: H2N-VADQTP(pT)PTRFLK-OH
Catalog Number: BP10-035 **Quantity:** 1mg **Price:** \$250

Name: alpha-pheromone (90-102) [Saccharomyces paradoxus]
Sequence: H2N-WHWLQLKPGQPMY-OH
Catalog Number: BP10-040 **Quantity:** 1mg **Price:** \$150

Name: Angiotensin 1/2 (1-10)
Sequence: H2N-DRVYIHPFHL-OH
Catalog Number: BP10-045 **Quantity:** 1mg **Price:** \$75

Name: Angiotensin 1/2 (1-5)
Sequence: H2N-DRVYI-OH
Catalog Number: BP10-050 **Quantity:** 1mg **Price:** \$75

Name: Angiotensin 1/2 (1-6)
Sequence: H2N-DRVYIH-OH
Catalog Number: BP10-055 **Quantity:** 1mg **Price:** \$75

Name: Angiotensin 1/2 (1-7)
Sequence: H2N-DRVYIHP-OH
Catalog Number: BP10-060 **Quantity:** 1mg **Price:** \$75

Name: Angiotensin 1/2 (1-7) amide
Sequence: H2N-DRVYIHP-amide
Catalog Number: BP10-065 **Quantity:** 1mg **Price:** \$75

Name: Angiotensin 1/2 (1-8) amide
Sequence: H2N-DRVYIHPF-amide
Catalog Number: BP10-070 **Quantity:** 1mg **Price:** \$75

Name: Angiotensin 1/2 (1-9)
Sequence: H2N-DRVYIHPFH-OH
Catalog Number: BP10-075 **Quantity:** 1mg **Price:** \$75

Name: Angiotensin 1/2 (2-7)
Sequence: H2N-RVYIHP-OH
Catalog Number: BP10-080 **Quantity:** 1mg **Price:** \$75

Name: Angiotensin 1/2 (5-7)
Sequence: H2N-IHP-OH
Catalog Number: BP10-085 **Quantity:** 1mg **Price:** \$75

Name: Angiotensin 1/2 + A (2-8)
Sequence: H2N-ARVYIHPF-OH
Catalog Number: BP11-245 **Quantity:** 1mg **Price:** \$100

Name: Apelin (65-76) [Homo sapiens]
Sequence: H2N-QRPRLSHKGPMP-OH
Catalog Number: BP10-090 **Quantity:** 1mg **Price:** \$75

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BIOACTIVE PEPTIDES

Name: ATPase, H+/K+ transporting, alpha polypeptide (885-902) Biotinyl [Rattus norvegicus]

Sequence: Biot-EGWFPLLCVGLRPQWEDH-OH

Catalog Number: BP10-095 **Quantity:** 1mg **Price:** \$200

Name: Bak protein (72-87) acetyl/amide [Homo sapiens]

Sequence: Ac-GQVGRQLAIIGDDINR-amide

Catalog Number: BP10-100 **Quantity:** 1mg **Price:** \$150

Name: BAP (1-40)

Sequence: H2N-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVV-OH

Catalog Number: BP10-105 **Quantity:** 1mg **Price:** \$150

Name: BAP (1-40) Fluorescein/Biotinyl/amide

Sequence: Fluor-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVK(Biotin)-amide

Catalog Number: BP10-110 **Quantity:** 1mg **Price:** \$300

Name: BAP 1-42

Sequence: H2N-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVIA-OH

Catalog Number: BP10-115 **Quantity:** 1mg **Price:** \$300

Name: BAP precursor; beta APP (3-17) acetyl [Homo sapiens]

Sequence: Ac-GLTNIKTEEISEVKM-OH

Catalog Number: BP10-120 **Quantity:** 1mg **Price:** \$100

Name: BAT3 (340-347) [Homo sapiens]

Sequence: H2N-APAQNPEL-OH

Catalog Number: BP10-125 **Quantity:** 1mg **Price:** \$50

Name: Bcl-associated death promoter (128-142) Fluoreo sapiemide [Mus musculus]

Sequence: Fluor-(b-Ala)SPFRGRSRSAPPNLW-amide

Catalog Number: BP10-130 **Quantity:** 1mg **Price:** \$250

Name: Beta casein fragment [Ovis aries]/[Capra hircus]/[Bos taurus]

Sequence: H2N-FQSEEQQTDELQDK-OH

Catalog Number: BP10-135 **Quantity:** 1mg **Price:** \$100

Name: Beta casein phospho fragment (pSer) [Ovis aries]/[Capra hircus]/[Bos taurus]

Sequence: H2N-FQ(pS)EEQQTDELQDK-OH

Catalog Number: BP10-140 **Quantity:** 1mg **Price:** \$200

Name: Bruton's tyrosine kinase (216-230) Biotinyl/amide

Sequence: Biot-LKKVVALDYMPMNA-amide

Catalog Number: BP10-145 **Quantity:** 1mg **Price:** \$100

Name: C5a complement component acetyl/pNA

Sequence: Ac-RANISH-pNA

Catalog Number: BP10-150 **Quantity:** 1mg **Price:** \$200

Name: C5a complement component acetyl/pNA

Sequence: Ac-SQLRANISH-pNA

Catalog Number: BP10-155 **Quantity:** 1mg **Price:** \$200

Name: Cation-dependent mannose-6-phosphate 268pSer (266-278) acetyl

Sequence: Ac-EE(pS)EERDDHLLPM-OH

Catalog Number: BP10-160 **Quantity:** 1mg **Price:** \$250

Name: Cation-dependent mannose-6-phosphate receptor (266-278) acetyl

Sequence: Ac-EESEERDDHLLPM-OH

Catalog Number: BP10-165 **Quantity:** 1mg **Price:** \$100

Name: CC chemokine receptor 3 (6-13) [Homo sapiens]

Sequence: H2N-DTVETFGT-OH

Catalog Number: BP10-170 **Quantity:** 1mg **Price:** \$75

Name: CD28 antigen (Tp44) (203-214) Biotinyl [Homo sapiens]

Sequence: Biot-RKHYQPYAPPRD-OH

Catalog Number: BP10-175 **Quantity:** 1mg **Price:** \$100

Name: CD28 protein (210-220) Biotinyl [Cercopithecus torquatus atys]

Sequence: Biot-APPRDFAAYRS-OH

Catalog Number: BP10-180 **Quantity:** 1mg **Price:** \$100

Name: CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated) (98-117) [Homo sapiens]

Sequence: H2N-PKPPKPVSKMRMATPLLMA-OH

Catalog Number: BP10-185 **Quantity:** 1mg **Price:** \$150

Name: cdk2 (6-20) Biotinyl/amide [Homo sapiens]

Sequence: Biot-KVEKIGEGTYGVVYK-amide

Catalog Number: BP10-190 **Quantity:** 1mg **Price:** \$150

Name: Cell division cycle 25C (34-52) FITC/amide [Homo sapiens]

Sequence: Fluor-(b-Ala)ERDTSFTVSPDVPRTVPVGK-amide

Catalog Number: BP10-195 **Quantity:** 1mg **Price:** \$200

Name: Chain A, Covalent Glycosyl-Enzyme Intermediate Of Hen Egg White Lysozyme

Sequence: H2N-VFGRCELAAMKRHG-OH

Catalog Number: BP10-200 **Quantity:** 1mg **Price:** \$100

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BIOACTIVE PEPTIDES

Name: Chain A, New B-Chain Mutant Of Bovine Insulin
Sequence: H2N-LVEALYLVSGERG-OH
Catalog Number: BP10-205 **Quantity:** 1mg **Price:** \$100

Name: Chain B, The Insulin Receptor Kinase acetyl/amide
Sequence: Ac-TGDFMMS-amide
Catalog Number: BP10-210 **Quantity:** 1mg **Price:** \$75

Name: CKa2 / Brak Biotinyl [Homo sapiens]
Sequence: [Chemokine]
Catalog Number: BP10-215 **Quantity:** 20ug **Price:** \$250

Name: Coagulation factor II peptide; prothrombin (474-477) [Mus musculus]
Sequence: H2N-YIHP-OH
Catalog Number: BP10-220 **Quantity:** 1mg **Price:** \$75

Name: Connexin 43 Fragment
Sequence: H2N-SRPTEKT-OH
Catalog Number: BP10-225 **Quantity:** 1mg **Price:** \$75

Name: Conserved hypothetical membrane protein (579-583) Fluorescein/Biotinyl/amide [Thermoplasma acidophilum]
Sequence: Fluor-LIMVVLMK(biotin)-amide
Catalog Number: BP10-230 **Quantity:** 1mg **Price:** \$200

Name: CREB327 (113-126) pSer119 Biotinyl [Homo sapiens]
Sequence: Biot-ILSRRP(pS)YRKILND-OH
Catalog Number: BP10-235 **Quantity:** 1mg **Price:** \$200

Name: CREB327/active transcription factor CREB-A (113-126) [Homo sapiens]
Sequence: H2N-ILSRRPSYRKILND-OH
Catalog Number: BP10-240 **Quantity:** 1mg **Price:** \$100

Name: Crk-associated substrate (pTyr 237) (234-242) [Mus musculus]
Sequence: H2N-EQDE(pY)DTPR-OH
Catalog Number: BP10-245 **Quantity:** 1mg **Price:** \$200

Name: Crotonamine [Crotalus durissus terrificus] 1-42
Sequence: H2N-YKQCHKKGGHCFPKEKICLPPSSDFGKMDCRWWKCKKGGG-OH
Catalog Number: BP10-250 **Quantity:** 1mg **Price:** \$300

Name: Cyclic AMP-responsive element modulator; CREM (110-122) Biotinyl [Homo sapiens]
Sequence: Biot-KRREILSRPSYR-OH
Catalog Number: BP10-255 **Quantity:** 1mg **Price:** \$150

Name: Cyclin D1
Sequence: H2N-LLGATCMFV-OH
Catalog Number: BP10-260 **Quantity:** 1mg **Price:** \$75

Name: Cyclin-dependent kinase 2 (6-20)
Sequence: H2N-KVEKIGEGTYGVVYK-OH
Catalog Number: BP10-265 **Quantity:** 1mg **Price:** \$100

Name: Cyclin-dependent kinase inhibitor 2A - Tumor Suppressor
Sequence: H2N-MVRRFLVTLRIRACGPPRV-OH
Catalog Number: BP10-270 **Quantity:** 1mg **Price:** \$100

Name: Cyclin-dependent kinase fragment (151-169) Fluorescein/amide [Homo sapiens]
Sequence: Fluor-(b-Ala)PGDSQGRKRRQTSMTDFYH-amide
Catalog Number: BP10-275 **Quantity:** 1mg **Price:** \$200

Name: Cyclin-dependent kinase fragment (151-173) Fluorescein [Homo sapiens]
Sequence: Fluor-(b-Ala)PGDSQGRKRRQTSMTDFYHSKRR-OH
Catalog Number: BP10-280 **Quantity:** 1mg **Price:** \$200

Name: Cyclin-dependent kinase fragment (155-173) Biotinyl [Homo sapiens]
Sequence: Biot-QGRKRRQTSMTDFYHSKRR-OH
Catalog Number: BP10-285 **Quantity:** 1mg **Price:** \$150

Name: Cyclin-dependent kinase inhibitor 1A (134-156) Biotinyl [Homo sapiens]
Sequence: Biot-PGDSQGRKRRQTSMTDFYHSKRR-OH
Catalog Number: BP10-290 **Quantity:** 1mg **Price:** \$150

Name: Cyclin-dependent kinase inhibitor 1A (P21) (129-151) Biotinyl [Mus musculus]
Sequence: Biot-PGTSQGRKRRQTSMTDFYHSKRR-OH
Catalog Number: BP10-295 **Quantity:** 1mg **Price:** \$150

Name: Cystic fibrosis transmembrane conductance regulator (1417-1428) Biotinyl
Sequence: Biot-IEENKVRQYDSI-OH
Catalog Number: BP10-300 **Quantity:** 1mg **Price:** \$150

Name: Cytochrome c - pigeon (88-104)
Sequence: H2N-KAERADLIAYLKQATAK-OH
Catalog Number: BP10-305 **Quantity:** 1mg **Price:** \$150

Name: Cytochrome c fragment (93-108)
Sequence: H2N-ANERADLIAYLKQATK-OH
Catalog Number: BP10-310 **Quantity:** 1mg **Price:** \$150

Name: Cytochrome P450 CYP1B1 (190-198) [Homo sapiens]
Sequence: H2N-FLDPRPLTV-OH
Catalog Number: BP10-315 **Quantity:** 1mg **Price:** \$100

Name: Dopamine responsive peptide(10-15) acetyl/amide [Rattus norvegicus]
Sequence: Ac-AEEEYA-amide
Catalog Number: BP10-320 **Quantity:** 1mg **Price:** \$100

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BIOACTIVE PEPTIDES

Name: E1A binding protein p300 (73-93) Biotinyl [Rattus norvegicus]

Sequence: Biot-DAASKHKQLSELLRSGSSPNL-OH
Catalog Number: BP10-325 **Quantity:** 1mg **Price:** \$150

Name: E7 protein

Sequence: H2N-LLLGLTLNIV-OH
Catalog Number: BP10-330 **Quantity:** 1mg **Price:** \$75

Name: EGF receptor substrate eps15 acetyl - [Mus musculus] / [Homo sapiens]

Sequence: Ac-QEQEDLELAIALSKSEISEA-OH
Catalog Number: BP10-335 **Quantity:** 1mg **Price:** \$100

Name: ELK1, member of ETS oncogene family (377-391) Biotinyl/amide [Mus musculus]

Sequence: Biot-IHFWSTLSPIAPRSP-amide
Catalog Number: BP10-340 **Quantity:** 1mg **Price:** \$150

Name: Envelope glycopeptide acetyl/amide [Human immunodeficiency virus 1]

Sequence: Ac-RILAVERYLKDQQLLGIWGCSGKLIC-amide
Catalog Number: BP10-345 **Quantity:** 1mg **Price:** \$150

Name: Envelope glycoprotein [Human immunodeficiency virus type 1]

Sequence: H2N-SLWNWFDITKWLWYIK-OH
Catalog Number: BP10-350 **Quantity:** 1mg **Price:** \$100

Name: Envelope glycoprotein [Human immunodeficiency virus type 1] (187-203) Biotinyl/amide

Sequence: Biot-RGPGRAFVTIGKIGNMR-amide
Catalog Number: BP10-355 **Quantity:** 1mg **Price:** \$150

Name: Eotaxin Biotinyl [Mus musculus]

Sequence: [Chemokine]
Catalog Number: BP10-360 **Quantity:** 20ug **Price:** \$250

Name: Epidermal growth factor receptor (688-702) Biotinyl [Homo sapiens]

Sequence: Biot-LVEPLTPSGEAPNQA-OH
Catalog Number: BP10-365 **Quantity:** 1mg **Price:** \$150

Name: Epidermal growth factor receptor (994-1002) acetyl/amide

Sequence: Ac-DSNFYRALM-amide
Catalog Number: BP10-370 **Quantity:** 1mg **Price:** \$100

Name: erbB-2

Sequence: H2N-KIFGSLAFL-OH
Catalog Number: BP10-375 **Quantity:** 1mg **Price:** \$75

Name: Eukaryotic translation initiation factor 4E (202-216) Biotinyl/amide

Sequence: Biot-DTATKSGSTTKNRFV-amide
Catalog Number: BP10-380 **Quantity:** 1mg **Price:** \$150

Name: Eukaryotic translation initiation factor 4E binding fragment 1(30-44) Biotinyl/amide [Homo sapiens]

Sequence: Biot-PPGDYSTTPGGTLFS-amide
Catalog Number: BP10-385 **Quantity:** 1mg **Price:** \$150

Name: Exenidin 4 (48-83) [Heloderma suspectum]

Sequence: H2N-HGEGTFTSDLSKQMEEEAVRLFIEWLKNNGPSS GAP-OH
Catalog Number: BP10-390 **Quantity:** 1mg **Price:** \$200

Name: Exosome component Rrp46 [Homo sapiens]

Sequence: H2N-LHPRTSITVVLQVVSDA-OH
Catalog Number: BP10-395 **Quantity:** 1mg **Price:** \$100

Name: FLAG peptide

Sequence: H2N-DYKDDDDK-OH
Catalog Number: BP10-400 **Quantity:** 1mg **Price:** \$100

Name: Flu mp 58

Sequence: H2N-GILGFVFTL-OH
Catalog Number: BP10-405 **Quantity:** 1mg **Price:** \$100

Name: Focal adhesion kinase 2

Sequence: H2N-LLAPKLQFQV-OH
Catalog Number: BP10-410 **Quantity:** 1mg **Price:** \$100

Name: Fraktalkine Biotinyl [Homo sapiens]

Sequence: [Chemokine]
Catalog Number: BP10-415 **Quantity:** 20ug **Price:** \$250

Name: Fusion glycoprotein (92-106) [Human respiratory syncytial virus]

Sequence: H2N-ELQLLMQSTPPTNNR-OH
Catalog Number: BP10-420 **Quantity:** 1mg **Price:** \$125

Name: G protein coupled receptor [Homo sapiens]

Sequence: H2N-QESHNSGNRSDGPGKNTTLHNEFDT-OH
Catalog Number: BP10-425 **Quantity:** 1mg **Price:** \$150

Name: gag (18-26) [Human immunodeficiency virus type 1] acetyl/amide

Sequence: Ac-KIRLRPGGK-amide
Catalog Number: BP10-430 **Quantity:** 1mg **Price:** \$100

Name: gag peptide [Simian immunodeficiency virus]

Sequence: H2N-TPYDINQML-OH
Catalog Number: BP10-435 **Quantity:** 1mg **Price:** \$75

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BIOACTIVE PEPTIDES

Name: GALACTOSE-SPECIFIC LECTIN 3 (2-16) Biotinyl/amide
Sequence: Biot-ADSFSLNDALSGSGN-amide
Catalog Number: BP10-440 **Quantity:** 1mg **Price:** \$150

Name: genome polyprotein - dengue virus type 4 (1724-1747)
Sequence: H2N-HTGREIVDLMCHAT-OH
Catalog Number: BP10-445 **Quantity:** 1mg **Price:** \$100

Name: Glutamyl-tRNA(Gln) amidotransferase, subunit B
Sequence: H2N-LPPLDITPY-OH
Catalog Number: BP10-450 **Quantity:** 1mg **Price:** \$75

Name: Glycogen synthase kinase 3 beta (pTyr 216) (210-220) [Mus musculus]/[Rattus norvegicus]
Sequence: H2N-GEPNVS(pY)ICSR-OH
Catalog Number: BP10-455 **Quantity:** 1mg **Price:** \$150

Name: Glycoprotein B (485-492)
Sequence: H2N-SSIEFARL-OH
Catalog Number: BP10-460 **Quantity:** 1mg **Price:** \$75

Name: Glycoprotein B (485-492) Fluorescein
Sequence: Fluor-SSIEFARL-OH
Catalog Number: BP10-465 **Quantity:** 1mg **Price:** \$150

Name: gp70 (424-432)
Sequence: H2N-SPSYVYHQF-OH
Catalog Number: BP10-470 **Quantity:** 1mg **Price:** \$100

Name: HBcAg [Hepatitis B virus] (18-27)
Sequence: H2N-FLPSDFFPSV-OH
Catalog Number: BP10-475 **Quantity:** 1mg **Price:** \$100

Name: Heat shock fragment 27 (75-85) Biotinyl/amide [Homo sapiens]
Sequence: Biot-(Ahx)RALSRQLSSGV-amide
Catalog Number: BP10-480 **Quantity:** 1mg **Price:** \$125

Name: Hemagglutinin [Influenza A virus]
Sequence: H2N-IYSTVASSL-OH
Catalog Number: BP10-485 **Quantity:** 1mg **Price:** \$100

Name: Hepatitis C virus
Sequence: H2N-LLALLSCLTV-OH
Catalog Number: BP10-490 **Quantity:** 1mg **Price:** \$100

Name: Heterogeneous nuclear ribonucleoprotein A1 Biotinyl/amide [Mus musculus]/[Homo sapiens]
Sequence: Biot-QRGRSGSGNFGGGGGGGFGG-amide
Catalog Number: BP10-495 **Quantity:** 1mg **Price:** \$150

Name: hIRS-1 (731-737) acetyl/amide [Homo sapiens]
Sequence: Ac-TGDYMNMS-amide
Catalog Number: BP10-500 **Quantity:** 1mg **Price:** \$100

Name: Histone H1 (49-59) [Homo sapiens]
Sequence: H2N-AASKERSGVSL-OH
Catalog Number: BP10-505 **Quantity:** 1mg **Price:** \$100

Name: Histone H2a (107-122) acetyl [Homo sapiens]
Sequence: Ac-GVLPNIQAVLLPKKTE-OH
Catalog Number: BP10-510 **Quantity:** 1mg **Price:** \$125

Name: Histone H4
Sequence: H2N-LKGGAKRHRKVLRDNIQGI-OH
Catalog Number: BP10-515 **Quantity:** 1mg **Price:** \$125

Name: Host cell factor 2 fragment [Homo sapiens]
Sequence: H2N-VGNADVPDYSLK-OH
Catalog Number: BP10-520 **Quantity:** 1mg **Price:** \$125

Name: Hypothetical protein [Plasmodium falciparum 3D7]
Sequence: H2N-LQENEMCDVYNDTHKATCK-OH
Catalog Number: BP10-525 **Quantity:** 1mg **Price:** \$125

Name: Hypoxia inducible factor one alpha Biotinyl/amide [Homo sapiens]/[Mus musculus]
Sequence: Biot-GLPQLTSYDCEVNAPIQGSRNLLQG-amide
Catalog Number: BP10-530 **Quantity:** 1mg **Price:** \$200

Name: I kappa B epsilon (154-163) Biotinyl/amide [Homo sapiens]
Sequence: Biot-QYDSGIESLR-amide
Catalog Number: BP10-535 **Quantity:** 1mg **Price:** \$150

Name: IgG light chain variable region [Homo sapiens]/ IgM/kappa antibody [Mus musculus]
Sequence: H2N-TDFTLT-OH
Catalog Number: BP10-540 **Quantity:** 1mg **Price:** \$100

Name: I-kappa B alpha chain (28-39) Biotinyl/amide [Mus musculus]/[Bos taurus]/[Rattus norvegicus]
Sequence: Biot-DRHDSGLDSMKD-amide
Catalog Number: BP10-545 **Quantity:** 1mg **Price:** \$150

Name: I-kappa B alpha chain 32pSer (28-39) Biotinyl/amide [Mus musculus]/[Bos taurus]/[Rattus norvegicus]
Sequence: Biot-DRHD(pS)GLDSMKD-amide
Catalog Number: BP10-550 **Quantity:** 1mg **Price:** \$200

Name: IKK epsilon (660-676) [Homo sapiens]
Sequence: H2N-GAQASPPPIAPYSPTR-OH
Catalog Number: BP10-555 **Quantity:** 1mg **Price:** \$150

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BIOACTIVE PEPTIDES

Name: IKK phosphorylated epsilon (pSer664,673) (660-676) [Homo sapiens]

Sequence: H2N-GAQA(pS)PPPIAPYP(pS)PTR-OH

Catalog Number: BP10-560 **Quantity:** 1mg **Price:** \$250

Name: IL-8 [Homo sapiens]

Sequence: [Chemokine]

Catalog Number: BP10-565 **Quantity:** 20ug **Price:** \$200

Name: Influenza A virus fragment

Sequence: H2N-LKFAFSMM-OH

Catalog Number: BP10-570 **Quantity:** 1mg **Price:** \$75

Name: Insulin like growth factor II fragment variant

Sequence: H2N-TPTKSER-OH

Catalog Number: BP10-575 **Quantity:** 1mg **Price:** \$75

Name: Insulin like growth factor II receptor (2480-2491) acetyl [Homo sapiens]

Sequence: Ac-FHDDSDDLLHI-OH

Catalog Number: BP10-580 **Quantity:** 1mg **Price:** \$100

Name: Insulin like growth factor II receptor (2480-2491) acetyl/amide [Homo sapiens]

Sequence: Ac-FHDDSDDLLHI-amide

Catalog Number: BP10-585 **Quantity:** 1mg **Price:** \$100

Name: Insulin like growth factor II receptor 2484pSer (2480-2491) acetyl [Homo sapiens]

Sequence: Ac-FHDD(pS)DEDLLHI-OH

Catalog Number: BP10-590 **Quantity:** 1mg **Price:** \$150

Name: Integral membrane TGN38A (350-361) acetyl [Mus musculus]

Sequence: Ac-KASDYQRLNLKL-OH

Catalog Number: BP10-595 **Quantity:** 1mg **Price:** \$100

Name: IP10 [Mus musculus]

Sequence: [Chemokine]

Catalog Number: BP10-600 **Quantity:** 20ug **Price:** \$200

Name: ITAC Biotinyl [Homo sapiens]

Sequence: [Chemokine]

Catalog Number: BP10-605 **Quantity:** 20ug **Price:** \$250

Name: Lamin fragment

Sequence: H2N-KAGQVVTIW-OH

Catalog Number: BP10-610 **Quantity:** 1mg **Price:** \$100

Name: Large T antigen - rhesus polyomavirus 560-568

Sequence: H2N-SEFLLEKRI-OH

Catalog Number: BP10-615 **Quantity:** 1mg **Price:** \$100

Name: Leukotactin [Homo sapiens]

Sequence: [Chemokine]

Catalog Number: BP10-620 **Quantity:** 20ug **Price:** \$200

Name: Long chain acyl-CoA dehydrogenase fragment acetyl/amide

Sequence: Ac-AEERA-amide

Catalog Number: BP10-625 **Quantity:** 1mg **Price:** \$75

Name: Lysosomal-associated membrane fragment (406-416) acetyl [Homo sapiens]

Sequence: Ac-RKRSHAGYQTI-OH

Catalog Number: BP10-630 **Quantity:** 1mg **Price:** \$100

Name: MAD-3 protein homolog (411-424) Biotinyl/amide [Homo sapiens]

Sequence: Biot-TQMGSPSIRCSSVS-amide

Catalog Number: BP10-635 **Quantity:** 1mg **Price:** \$100

Name: Mage 1 antigen (161-169) [Homo sapiens]

Sequence: H2N-EADPTGHSY-OH

Catalog Number: BP10-640 **Quantity:** 1mg **Price:** \$100

Name: Mage-3 A1

Sequence: H2N-EVDPIGHLY-OH

Catalog Number: BP10-645 **Quantity:** 1mg **Price:** \$100

Name: Mage-3 human (271-279)

Sequence: H2N-FLWGPRLV-OH

Catalog Number: BP10-650 **Quantity:** 1mg **Price:** \$100

Name: MAP kinase activator XMEK2, long form (309-328) Biotinyl/amide African clawed frog

Sequence: Biot-SGQLVDSIAKTRDAGCRPYM-amide

Catalog Number: BP10-655 **Quantity:** 1mg **Price:** \$150

Name: MAP kinase kinase (287-297) Biotinyl/amide [Homo sapiens]

Sequence: Biot-PPRPTPGRPL-amide

Catalog Number: BP10-660 **Quantity:** 1mg **Price:** \$100

Name: MAP kinase kinase (287-303) Biotinyl/amide [Homo sapiens]

Sequence: Biot-PPRPTPGRPLSSYGMD-amide

Catalog Number: BP10-665 **Quantity:** 1mg **Price:** \$125

Name: MAP kinase kinase (293-300) Biotinyl/amide [Homo sapiens]

Sequence: Biot-PGRPLSSY-amide

Catalog Number: BP10-670 **Quantity:** 1mg **Price:** \$100

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Name: MAP kinase kinase (293-301) Biotinyl/amide [Homo sapiens]

Sequence: Biot-PGRPLSSYG-amide

Catalog Number: BP10-675 **Quantity:** 1mg **Price:** \$125

Name: MAP kinase kinase (293-303) Biotinyl/amide [Homo sapiens]

Sequence: Biot-PGRPLSSYGMD-amide

Catalog Number: BP10-680 **Quantity:** 1mg **Price:** \$125

Name: MAP kinase kinase 1 (pSer 218, pSer 222) (213-226) Fluorescein [Homo sapiens]

Sequence: Fluor-GQLID(pS)MAN(pS)FVGT-OH

Catalog Number: BP10-685 **Quantity:** 1mg **Price:** \$250

Name: MAPK/ERK kinase 1 pSer217,221 (213-226) Biotinyl

Sequence: Biot-GQLID(pS)MAN(pS)FVGT-OH

Catalog Number: BP10-690 **Quantity:** 1mg **Price:** \$250

Name: MAPK-activated protein kinase (43-57) Biotinyl/amide [Homo sapiens]

Sequence: Biot-IDQGDLMTQFPTY-amide

Catalog Number: BP10-695 **Quantity:** 1mg **Price:** \$150

Name: MAPKK 4 (pThr259) (254-265) Fluorescein [Mus musculus]

Sequence: Fluor-DSIAK(pT)RDAGCR-OH

Catalog Number: BP10-700 **Quantity:** 1mg **Price:** \$150

Name: MARCKS, Myristolated alanine-rich C-kinase substrate fragment Biotinyl

Sequence: Biot-KKRFSFKKSKLGSFVK-OH

Catalog Number: BP10-705 **Quantity:** 1mg **Price:** \$150

Name: MARCKS, Myristolated alanine-rich protein C-kinase substrate (148-165) FITC [Mus musculus]

Sequence: FITC-(b-Ala)KKRFSFKKSKLGSFVK-OH

Catalog Number: BP10-835 **Quantity:** 1mg **Price:** \$150

Name: MART-1 (27-35) [Homo sapiens]

Sequence: H2N-AAGIGILTV-OH

Catalog Number: BP10-710 **Quantity:** 1mg **Price:** \$75

Name: MART-1 Fragment

Sequence: H2N-LAGIGILTV-OH

Catalog Number: BP10-715 **Quantity:** 1mg **Price:** \$75

Name: MCP-1 [Homo sapiens]

Sequence: [Chemokine]

Catalog Number: BP10-720 **Quantity:** 20ug **Price:** \$200

Name: MD-2 protein precursor (ESOP-1) (119-132) acetyl/amide [Homo sapiens]

Sequence: Ac-FSFKGIKFSKGKYK-amide

Catalog Number: BP10-725 **Quantity:** 1mg **Price:** \$100

Name: Melanocyte protein Pmel 17 (476-485) [Homo sapiens]

Sequence: H2N-VLYRYGSFSV-OH

Catalog Number: BP10-730 **Quantity:** 1mg **Price:** \$100

Name: Melanocyte protein PMEL 17 (met210) human, mouse (209-217)

Sequence: H2N-IMDQVPFSV-OH

Catalog Number: BP10-735 **Quantity:** 1mg **Price:** \$100

Name: Melanocyte protein PMEL 17 human(154-162)

Sequence: H2N-KTWGQYQV-OH

Catalog Number: BP10-740 **Quantity:** 1mg **Price:** \$100

Name: Melanocyte protein PMEL 17 human, mouse (209-217)

Sequence: H2N-ITDQVPFSV-OH

Catalog Number: BP10-745 **Quantity:** 1mg **Price:** \$100

Name: MHC class II antigen (45-57) [Homo sapiens]

Sequence: H2N-DLDKKETVWHLEE-OH

Catalog Number: BP10-750 **Quantity:** 1mg **Price:** \$100

Name: MHC class II antigen (45-57) Biotinyl [Homo sapiens]

Sequence: Biot-DLDKKETVWHLEE-OH

Catalog Number: BP10-755 **Quantity:** 1mg **Price:** \$125

Name: MIP1a [Homo sapiens]

Sequence: [Chemokine]

Catalog Number: BP10-760 **Quantity:** 20ug **Price:** \$200

Name: MIP3b [Homo sapiens]

Sequence: [Chemokine]

Catalog Number: BP10-765 **Quantity:** 20ug **Price:** \$200

Name: Mitochondrial precursor receptor+Y amidated (125-136)

Sequence: H2N-YKLPTISQRIVSA-amide

Catalog Number: BP10-770 **Quantity:** 1mg **Price:** \$100

Name: Mucin (1392-1407) Biotinyl/amide [Rattus norvegicus]

Sequence: Biot-SPTTSTPISSTPQPTS-amide

Catalog Number: BP10-775 **Quantity:** 1mg **Price:** \$150

Name: Mucin (93-108) Biotinyl/amide [Homo sapiens]

Sequence: Biot-GTTPSPVPTTSTTSAP-amide

Catalog Number: BP10-780 **Quantity:** 1mg **Price:** \$150

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BIOACTIVE PEPTIDES

Name: Mucin 10 (153-165) Biotinyl/amide [Rattus norvegicus]
Sequence: Biot-PTTDSTTPAPTK-amide
Catalog Number: BP10-785 **Quantity:** 1mg **Price:** \$150

Name: Mucin fragment
Sequence: H2N-LLLLTLTV-OH
Catalog Number: BP10-790 **Quantity:** 1mg **Price:** \$150

Name: Myelin basic protein (115-123) [Homo sapiens]
Sequence: H2N-FSWGAEQQR-OH
Catalog Number: BP10-795 **Quantity:** 1mg **Price:** \$100

Name: Myelin basic protein (2-12) acetyl [Mus musculus]
Sequence: Ac-ASQKRPSQRSK-OH
Catalog Number: BP10-800 **Quantity:** 1mg **Price:** \$100

Name: Myelin basic protein fragment
Sequence: H2N-TTHYGSLPQK-OH
Catalog Number: BP10-805 **Quantity:** 1mg **Price:** \$100

Name: Myelin basic protein fragment
Sequence: H2N-VHFFKNIVTPRTPPSQGKGR-OH
Catalog Number: BP10-810 **Quantity:** 1mg **Price:** \$125

Name: Myelin basic protein phospho fragment (pSer 116) (115-123) [Homo sapiens]
Sequence: H2N-F(pS)WGAEGQR-OH
Catalog Number: BP10-815 **Quantity:** 1mg **Price:** \$150

Name: Myelin oligodendrocyte glycoprotein precursor
Sequence: H2N-MEVGWYRPPFSRVVHLYRNGK-OH
Catalog Number: BP10-820 **Quantity:** 1mg **Price:** \$150

Name: Myelin proteolipid peptide
Sequence: H2N-NTWTCQSIAFPSK-OH
Catalog Number: BP10-825 **Quantity:** 1mg **Price:** \$100

Name: Myelin proteolipid protein fragment (139-151)
Sequence: H2N-HSLGKWLGHDPDKF-OH
Catalog Number: BP10-830 **Quantity:** 1mg **Price:** \$100

Name: NAP-2
Sequence: H2N-AELRCKIKTTSGIHPKNIQSLEVIGKGTNCQVEV
 ATLKDGRKICLDPDAPRIKKIVQKLAGDESAD-OH
Catalog Number: BP10-840 **Quantity:** 20ug **Price:** \$250

Name: NCC-4 [Homo sapiens]
Sequence: [Chemokine]
Catalog Number: BP10-845 **Quantity:** 20ug **Price:** \$200

Name: nef peptide [Human immunodeficiency virus type 1] (73-82) acetyl/amide
Sequence: Ac-QVPLRPMTYK-amide
Catalog Number: BP10-850 **Quantity:** 1mg **Price:** \$100

Name: Neurabin II (436-459) acetyl/amide [Homo sapiens]
Sequence: Ac-SEEDPAPSRKIHASTAPIQVFS-amide
Catalog Number: BP10-855 **Quantity:** 1mg **Price:** \$150

Name: Neurexin 1-beta precursor (452-468) [Rattus norvegicus]
Sequence: H2N-AKSANKNKNKDKEYV-OH
Catalog Number: BP10-860 **Quantity:** 1mg **Price:** \$125

Name: Neuropeptide NPVF fragment amide [Homo sapiens]
Sequence: H2N-VPNLPQRF-amide
Catalog Number: BP10-865 **Quantity:** 1mg **Price:** \$100

Name: NF kappa B inhibitor alpha 36pSer (26-41) Biotinyl/amide
Sequence: Biot-LDDRHDSGLD(pS)MKDEE-amide
Catalog Number: BP10-870 **Quantity:** 1mg **Price:** \$150

Name: NF kappaB inhibitor alpha (21-42) [Homo sapiens]
Sequence: H2N-KKERLLDDRHDSGLDSMKDEEY-OH
Catalog Number: BP10-875 **Quantity:** 1mg **Price:** \$150

Name: Nuclear antigen EBNA-6 - human herpesvirus 4 (fragment)
Sequence: H2N-LLDFVRFMGV-OH
Catalog Number: BP10-880 **Quantity:** 1mg **Price:** \$100

Name: Oligosaccharyl transferase 3 (67-76) [Drosophila melanogaster] [Rattus norvegicus]
Sequence: H2N-AEIGNKDIK-OH
Catalog Number: BP10-885 **Quantity:** 1mg **Price:** \$100

Name: Oligosaccharyl transferase 3 [Drosophila melanogaster]
Sequence: H2N-MMFAVHCTWV-OH
Catalog Number: BP10-890 **Quantity:** 1mg **Price:** \$100

Name: Oligosaccharyl transferase 3 fragment
Sequence: H2N-SLWDTGYAKI-OH
Catalog Number: BP10-895 **Quantity:** 1mg **Price:** \$100

Name: Oligosaccharyl transferase STT3 subunit
Sequence: H2N-GLWFCIKNI-OH
Catalog Number: BP10-900 **Quantity:** 1mg **Price:** \$100

Name: Ovalbumin chicken (323-336)
Sequence: H2N-ISQAVHAAHAEINE-OH
Catalog Number: BP10-905 **Quantity:** 1mg **Price:** \$125

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Name: Ovalbumin chicken (323-339)
Sequence: H2N-ISQAVHAAHAEINEAGR-OH
Catalog Number: BP10-910 **Quantity:** 1mg **Price:** \$125

Name: Ovalbumin Fragment - Chicken (257-264)
Sequence: H2N-SIINFEKL-OH
Catalog Number: BP10-915 **Quantity:** 1mg **Price:** \$125

Name: oxytocinase splice variant 2 (273-285) [Homo sapiens]
Sequence: H2N-KYFAATQFEPLAA-OH
Catalog Number: BP10-920 **Quantity:** 1mg **Price:** \$125

Name: oxytocinase splice variant 2 (273-285) biotinyl [Homo sapiens]
Sequence: Biot-KYFAATQFEPLAA-OH
Catalog Number: BP10-925 **Quantity:** 1mg **Price:** \$150

Name: p65 subunit of transcription factor NF-kappaB (463-472) Biotinyl/amide [Homo sapiens]
Sequence: Biot-TDLASVDNSE-amide
Catalog Number: BP10-930 **Quantity:** 1mg **Price:** \$150

Name: p65 subunit of transcription factor NF-kappaB (pSer467) (463-472) Biotinyl/amide [Homo sapiens]
Sequence: Biot-TDLA(pS)VDNSE-amide
Catalog Number: BP10-935 **Quantity:** 1mg **Price:** \$175

Name: PA protein (Influenza A virus)
Sequence: H2N-LKHRFEII-OH
Catalog Number: BP10-940 **Quantity:** 1mg **Price:** \$100

Name: PARC1 Biotinyl [Homo sapiens]
Sequence: [Chemokine]
Catalog Number: BP10-945 **Quantity:** 20ug **Price:** \$250

Name: PARC2 Biotinyl [Homo sapiens]
Sequence: [Chemokine]
Catalog Number: BP10-950 **Quantity:** 20ug **Price:** \$250

Name: pol protein [Human immunodeficiency virus 1]
Sequence: H2N-LKGEAIHQVDCSPGIW-OH
Catalog Number: BP10-955 **Quantity:** 1mg **Price:** \$125

Name: Polypyrimidine tract binding peptide
Sequence: H2N-SPNQARAQAL-OH
Catalog Number: BP10-960 **Quantity:** 1mg **Price:** \$100

Name: PopD (267-289) [Pseudomonas aeruginosa]
Sequence: H2N-AGFMKDVLLQLIQYTSQSHNQAWR-OH
Catalog Number: BP10-965 **Quantity:** 1mg **Price:** \$150

Name: Pre-C/C fragment [Hepatitis B virus]
Sequence: H2N-TPPAYRPPNAPIL-OH
Catalog Number: BP10-970 **Quantity:** 1mg **Price:** \$125

Name: Proliferating cell nuclear antigen (109-117) acetyl/amide
Sequence: Ac-EKVSDYEMK-amide
Catalog Number: BP10-975 **Quantity:** 1mg **Price:** \$125

Name: Proliferating cell nuclear antigen (175-183) acetyl/amide [Rattus norvegicus]
Sequence: Ac-LGNGNIKLS-amide
Catalog Number: BP10-980 **Quantity:** 1mg **Price:** \$125

Name: Prostate specific membrane antigen (316-328) biotinyl/amide - [Homo sapiens]
Sequence: Biot-DSSWRGSLKVPYN-amide
Catalog Number: BP10-985 **Quantity:** 1mg **Price:** \$150

Name: Prostate specific membrane antigen [Homo sapiens]
Sequence: H2N-SYPDGWNLPGGGVQR-OH
Catalog Number: BP10-990 **Quantity:** 1mg **Price:** \$125

Name: Prostate-specific membrane antigen - [Homo sapiens]
Sequence: H2N-IYNVIGTLR-OH
Catalog Number: BP10-995 **Quantity:** 1mg **Price:** \$100

Name: Prostate-specific membrane antigen PSM (13-25) Biotinyl/amide [Homo sapiens]
Sequence: Biot-RDYAVVLRKYADK-amide
Catalog Number: BP11-000 **Quantity:** 1mg **Price:** \$150

Name: Prostate-specific membrane antigen PSM (24-35) Biotinyl/amide [Homo sapiens]
Sequence: Biot-EDFFKLERDMKI-amide
Catalog Number: BP11-005 **Quantity:** 1mg **Price:** \$150

Name: Prostate-specific membrane antigen PSM (35-40) [Homo sapiens]
Sequence: H2N-INCSGK-OH
Catalog Number: BP11-010 **Quantity:** 1mg **Price:** \$100

Name: Prostate-specific membrane antigen-like peptide (177-197) Biotinyl/amide
Sequence: Biot-DEGFEGKSLYESWTKKSPSPE-amide
Catalog Number: BP11-015 **Quantity:** 1mg **Price:** \$150

Name: Protease activated receptor 4 (par 4) (60-65) amide [Mus musculus]
Sequence: H2N-GYPGKF-amide
Catalog Number: BP11-020 **Quantity:** 1mg **Price:** \$100

Name: Protein 21.5K, myelin basic (119-133) Biotinyl
Sequence: Biot-FKNIVTPRTPPPSQG-OH
Catalog Number: BP11-025 **Quantity:** 1mg **Price:** \$150

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BIOACTIVE PEPTIDES

Name: Protein kinase (3-13) Biotinyl/amide
Sequence: Biot-GRPRTSSFAEG-amide
Catalog Number: BP11-030 **Quantity:** 1mg **Price:** \$150

Name: Protein kinase C, zeta subspecies (113-125) myristolated
Sequence: Myr-SIYRRGARRWRKL -OH
Catalog Number: BP11-035 **Quantity:** 1mg **Price:** \$150

Name: Protein kinase C, zeta subspecies (113-129) myristolated
Sequence: Myr-SIYRRGARRWRKLYRAN-OH
Catalog Number: BP11-040 **Quantity:** 1mg **Price:** \$150

Name: PTEC [Homo sapiens]
Sequence: [Chemokine]
Catalog Number: BP11-045 **Quantity:** 20ug **Price:** \$200

Name: pTH (7-84) [Homo sapiens]
Sequence: H2N-LMHNLGKHLNSMERVEWLRKKLQDVHNFVALGAPLA
 PRDAGSQRPRKEDNVLVESHEKSLGEADKADVNLTKAK
 SQ-OH
Catalog Number: BP11-050 **Quantity:** 20ug **Price:** \$200

Name: Putative protein [Arabidopsis thaliana]
Sequence: H2N-RLVDDFLLV-OH
Catalog Number: BP11-055 **Quantity:** 1mg **Price:** \$100

Name: Putative resistance gene homologue (73-78)
 Biotinyl/amide [Cucumis melo]
Sequence: Biot-YLDLSK-amide
Catalog Number: BP11-060 **Quantity:** 1mg **Price:** \$125

Name: Putative transport system permease protein
 [Escherichia coli]
Sequence: H2N-SSITLTF-OH
Catalog Number: BP11-065 **Quantity:** 1mg **Price:** \$100

Name: Rabaptin-5 (435-447) acetyl/amide [Homo sapiens]
Sequence: Ac-DESDFGPLVGADS-amide
Catalog Number: BP11-070 **Quantity:** 1mg **Price:** \$100

Name: Rabaptin-5 (438-444) acetyl/amide [Homo sapiens]
Sequence: Ac-DFGPLVG-amide
Catalog Number: BP11-075 **Quantity:** 1mg **Price:** \$100

Name: RANTES [Homo sapiens]
Sequence: [Chemokine]
Catalog Number: BP11-080 **Quantity:** 20ug **Price:** \$200

Name: Receptor interacting serine/threonine protein kinase 2
 (170-186) Biotinyl/amide [Homo sapiens]
Sequence: Biot-WRMMSLSQSRSSKSAPE-amide
Catalog Number: BP11-085 **Quantity:** 1mg **Price:** \$150

Name: Receptor protein tyrosine kinase erbB-2 precursor
 fragment (679-693) biotinyl/amide [Homo sapiens]
Sequence: Biot-QQKIRKYTMRRLLQE-amide
Catalog Number: BP11-090 **Quantity:** 1mg **Price:** \$125

Name: Retinol binding protein 3, interstitial [Homo sapiens]
Sequence: H2N-SGIPYIISYHLPGNTILHVD-OH
Catalog Number: BP11-095 **Quantity:** 1mg **Price:** \$125

Name: Rhodopsin peptide
Sequence: H2N-VSKTETSQVAPA-OH
Catalog Number: BP11-100 **Quantity:** 1mg **Price:** \$125

Name: Ribosomal protein L3 peptide (202-222) amide
Sequence: H2N-MSHRKYEAPRHGHLGFLPRKR-amide
Catalog Number: BP11-105 **Quantity:** 1mg **Price:** \$125

Name: Serine/threonine kinase RICK (170-186) acetyl/amide
 [Homo sapiens]
Sequence: Ac-WRMMSLSQSRSSKSAPE-amide
Catalog Number: BP11-110 **Quantity:** 1mg **Price:** \$125

Name: Smac (56-59) [Homo sapiens]
Sequence: H2N-AVPI-OH
Catalog Number: BP11-115 **Quantity:** 1mg **Price:** \$100

Name: Smac (56-62) [Homo sapiens]
Sequence: H2N-AVPIAQK-OH
Catalog Number: BP11-120 **Quantity:** 1mg **Price:** \$100

Name: Small hydrophobic protein (SH) [respiratory syncytial virus]
Sequence: H2N-MIAILNKLCE-OH
Catalog Number: BP11-125 **Quantity:** 1mg **Price:** \$100

Name: Smc Y (738-746) [Mus musculus]
Sequence: H2N-KCSRNRQYL-OH
Catalog Number: BP11-130 **Quantity:** 1mg **Price:** \$100

Name: Sorting nexin 1 (232-246) [Homo sapiens]
Sequence: H2N-AEFLEKRRRAALERYL-OH
Catalog Number: BP11-135 **Quantity:** 1mg **Price:** \$100

Name: source of immunodominant MHC-associated peptides
 [Homo sapiens]
Sequence: H2N-NINDERVFV-OH
Catalog Number: BP11-140 **Quantity:** 1mg **Price:** \$100

Name: source of immunodominant MHC-associated peptides
 [Homo sapiens]
Sequence: H2N-LQAYAFLLQYL-OH
Catalog Number: BP11-145 **Quantity:** 1mg **Price:** \$100

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Name: Splenoptenin
Sequence: Ac-RK(Ac)EVY-OH
Catalog Number: BP11-150 **Quantity:** 1mg **Price:** \$125

Name: Syntaxin binding protein 1 [Mus musculus] 464-487
Sequence: H2N-RKERISEQTYQLSRWTPPIKDIME-OH
Catalog Number: BP11-155 **Quantity:** 1mg **Price:** \$175

Name: Systemin (1-18)
Sequence: H2N-AVQSKPPSKRDPKMQTD-OH
Catalog Number: BP11-160 **Quantity:** 1mg **Price:** \$150

Name: Tat protein + C (47-57) [Human immunodeficiency virus type 1]
Sequence: H2N-CYGRKKRRRQR-OH
Catalog Number: BP11-165 **Quantity:** 1mg **Price:** \$125

Name: Tat protein + W (48-60) [Human immunodeficiency virus type 1]
Sequence: H2N-WGRKKRRRPPQ-OH
Catalog Number: BP11-170 **Quantity:** 1mg **Price:** \$125

Name: Tat protein fragment (48-57) [Human immunodeficiency virus type 1]
Sequence: H2N-GRKKRRRQR-OH
Catalog Number: BP11-175 **Quantity:** 1mg **Price:** \$125

Name: Tax Fragment [Human T-lymphotropic virus 1]
Sequence: H2N-LLFGYPVAV-OH
Catalog Number: BP11-180 **Quantity:** 1mg **Price:** \$125

Name: tMDC II [Rattus norvegicus] (251-258)
Sequence: H2N-SKNECDFE-OH
Catalog Number: BP11-185 **Quantity:** 1mg **Price:** \$100

Name: TRPC1 protein (779-799) acetyl/amide [Homo sapiens]
Sequence: Ac-NELRQDLSKFRNEIRDLLGFR-amide
Catalog Number: BP11-190 **Quantity:** 1mg **Price:** \$150

Name: TTF-I interacting peptide 5 (377-382) [Homo sapiens]
Sequence: H2N-RNKRKQ-OH
Catalog Number: BP11-195 **Quantity:** 1mg **Price:** \$100

Name: Type II collagen cyanogen bromide fragment CB10 (207-225) [Bos taurus]
Sequence: H2N-GEPGDDGPSGPDGPPGQG-OH
Catalog Number: BP11-200 **Quantity:** 1mg **Price:** \$125

Name: Vasodilator stimulated phosphoprotein (233-245) Biotinyl/amide [Homo sapiens]
Sequence: Biot-AKLRKVSKQEEAS-amide
Catalog Number: BP11-210 **Quantity:** 1mg **Price:** \$125

Name: Vesicle-associated membrane protein 2 (44-94) acetyl
Sequence: Ac-DIMRVNVDKVLERDQKLSLDDRADALQAGASQFESAALKRKYWWKNLK-OH
Catalog Number: BP11-215 **Quantity:** 1mg **Price:** \$250

Name: Vitamin D-binding protein (434-438) [Homo sapiens]
Sequence: H2N-TPTEL-OH
Catalog Number: BP11-220 **Quantity:** 1mg **Price:** \$100

Name: Vitamin D-binding protein (434-441) [Homo sapiens]
Sequence: H2N-TPTELAKL-OH
Catalog Number: BP11-225 **Quantity:** 1mg **Price:** \$125

Name: Vitamin D-binding protein (434-442) [Homo sapiens]
Sequence: H2N-TPTELAKLV-OH
Catalog Number: BP11-230 **Quantity:** 1mg **Price:** \$125

Name: vpr protein
Sequence: H2N-LLFIHFRIG-OH
Catalog Number: BP11-235 **Quantity:** 1mg **Price:** \$100

Name: Non-specific protein
Sequence: H2N-APGP-OH
Catalog Number: BP11-240 **Quantity:** 1mg **Price:** \$100

Name: Non-specific protein
Sequence: H2N-GPYV-OH
Catalog Number: BP11-260 **Quantity:** 1mg **Price:** \$100

Name: Non-specific protein
Sequence: H2N-IPYV-OH
Catalog Number: BP11-265 **Quantity:** 1mg **Price:** \$100

Name: Unnamed protein product Biotinyl/amide [Mus musculus]
Sequence: H2N-MLSRFLGPRYRELARNWIPTAGK(Biotin)-amide
Catalog Number: BP11-205 **Quantity:** 1mg **Price:** \$200

Name: Unnamed protein product (71-79) [Homo sapiens]
Sequence: H2N-LLSFTILFL-OH
Catalog Number: BP11-270 **Quantity:** 1mg **Price:** \$100

Name: Unnamed protein product (291-299) [Homo sapiens]
Sequence: H2N-YIAYSTFYI-OH
Catalog Number: BP11-275 **Quantity:** 1mg **Price:** \$100

PEPTIDE ARRAYS

In order to satisfy the growing requirements of the proteomics boom, New England Peptide, Inc. has designed a new Peptide Array program. We have developed a rapid, economical way to synthesize 96 different peptides, unbound, in a 96-well format. Each plate is individually tested for accuracy and can be used for epitope mapping, libraries, protein characterization and much more. We offer up to 15-mer peptides at 2.5um scale. We also offer 3 tiers of analysis and delivery is only 2 weeks. Using this format, peptides cost as little as \$28 each!

Our Custom Peptide Arrays offer:

- 96 crude peptides per plate in a 96-well format
- 2.5umol scale (2.0mg average for a 10 amino acid peptide)
- Up to 15 amino acids in length, average 75% purity
- Optimized chemistries
- No cross contamination
- 2 week delivery
- Statistically significant QC of each individual plate
- Biotinylation and Fluorescein available

CUSTOM PEPTIDE ARRAY PRICING TABLE

Tier One:	Mass Spec of 5 statistically significant peptides	\$2,750
Tier Two:	Mass Spec of every peptide	\$3,500
Tier Three:	Mass Spec and HPLC of every peptide	\$5,500

Add \$400 per plate for non-amidated peptides

Please note: Peptide Arrays are for High Throughput Screening and peptide purities may vary from 50-95%. NEP recommends 15 amino acids or less. NEP discourages the request of very hydrophobic peptides, since yields may be very low. NEP also requires c-terminal prolines to be amidated. NEP does not guarantee the purity or success of any one peptide on an array plate.

POLYCLONAL ANTIBODIES

New England Peptide, Inc.'s scientists have over a decade of polyclonal antibody production and application experience. We routinely offer antigen design assistance, using several bioinformatics programs and practical experience. Whether an antibody novice or expert, we can tailor any protocol to fit your needs. We offer all of this, along with our unmatched service, high quality and a 100% satisfaction guarantee. Let us design your peptide antigen for free!!

ANTIBODY PRICES, OPTIONS AND TIMETABLES:

Standard Package:	\$1,300	75 days
<ul style="list-style-type: none"> • Antigen design/Bioinformatics • 15-mer peptide, 10mgs at 85+% • 5 mgs uncoupled to customer, 4mgs coupled to KLH, 1mg for ELISA • Mass Spec and HPLC trace 	<ul style="list-style-type: none"> • Immunization of 2 rabbits • 10mls Pre immune serum • 80-100mls rabbit antiserum • ELISA on production bleeds 	

Affinity Purified Package:	\$1,950	90 days
<ul style="list-style-type: none"> • Everything in the standard package • Extra peptide for affinity purification • Affinity purification of 50mls antiserum 		

Phospho Specific Affinity Purified Polyclonal Antibody Package:	\$3,750	90 days
<ul style="list-style-type: none"> • Antigen design/Bioinformatics • 2 peptides, 10mgs phospho peptide, 10mgs non phospho peptide at 90+% • 5 uncoupled mgs • Mass Spec and HPLC trace • Immunization of 2 rabbits with phospho peptide 	<ul style="list-style-type: none"> • Pre-immune serum • 80-100 ml rabbit antiserum • ELISA on production bleeds • Double affinity purification to yield phospho specific antibody 	

Additional Services/Protocols Available:

Sacrifice	No charge
Room and Board (1month)	\$250
Boost and Bleed (2) 80 total ml	\$200
Boost and Bleed (4) 160 total ml	\$400
Bleed (20ml/rabbit)	\$125
Exsanguination (~50ml/rabbit)	\$125
Affinity Purification	\$440
50 mls affinity purification 2	\$170

We also offer protocols in: Chickens, Guinea Pigs, Mice, Rats, Swine, Goats and Sheep.

We use research grade SPF New Zealand White rabbits

We only contract with programs that are AAALAC accredited, OLAW approved, and USDA licensed.

POLYCLONAL ANTIBODY PRODUCTION

Producing a polyclonal antibody requires several important steps. First, an antigen has to be carefully chosen.

PICK & CHOOSE

The antigen has to be available and flexible. This means that it has to come from a region of the protein that sticks out in space so it can be reacted with readily. Picking an antigen that is buried within a protein's 3-d structure will not work. Usually hydrophilic regions are more available.

The antigen has to be foreign. Injecting a peptide into an animal that recognizes that peptide will give little or no immune response.

The antigen has to be relatively water soluble.

The antigen has to be a certain minimum size and have some chemical complexity.

NEP will use bioinformatics and practical experience to assist you in choosing your antigen.

MODIFYING

After an antigen is chosen, it has to be modified slightly in order to maximize immune response and specificity. A peptide alone gives poor immune response because of its small size, so we recommend coupling it to a large carrier protein such as KLH or Ovalbumin. This ensures the peptide will be recognized. For coupling purposes and to allow for attaching the peptide to affinity columns in the future for further purification, we recommend adding a Cysteine residue to the N or C terminus of your peptide. We can then link the KLH, or affinity beads through the side chain sulfhydryl of the Cysteine residue without compromising the structure of the peptide. We also need to block the ends of the peptide appropriately to mimic the protein in vivo. For instance, an internal sequence would need both the N-terminus and C-terminus blocked.

SYNTHESIS

After selection, the peptide has to be synthesized correctly and purified to at least >85% pure. NEP does not recommend using crude peptides for antibody production. It significantly reduces antibody specificity and success. Remember, to get good antibodies you have to start with good peptides. After synthesis, each peptide is coupled to KLH for immunization, using straightforward and reliable MBS esters.

IMMUNIZATION

At NEP, we offer protocols in Rabbits, Mice, Goats, Sheep, Chickens, Guinea Pigs and Rats. For our standard 2 rabbit protocol, we follow the schedule below.

Protocol Schedule

Day 0 Prebleed, 10ml Immunization 1 (CFA)

Day 14 Immunization 2 (IFA)

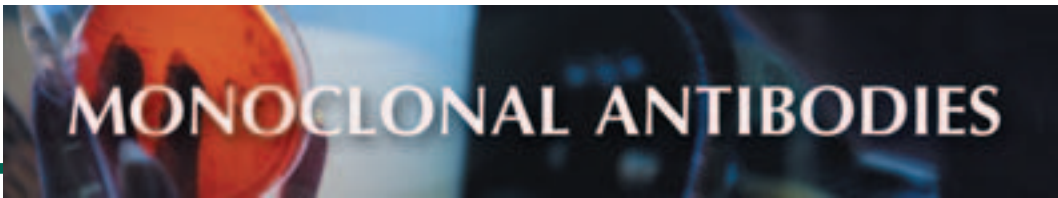
Day 28 Immunization 3 (IFA)

Day 35 Production Bleed 1(40-50mls)

Day 42 Production Bleed 2(40-50mls)

ELISA

After bleeds are done, the antiserum is tested for reactivity of the antibodies with peptide using an Enzyme Linked Immuno Sorbent Assay. Peptide is coated on a 96-well plate, followed by dilutions of antiserum which contain the antibody. We then measure if there is antibody in the antiserum, if it is specific to the antigen and how much antibody is present. These results are shipped to you. We guarantee a minimum ELISA titer of 1:15,000 and will keep boosting at no charge until this value is reached.



MONOCLONAL ANTIBODIES

In response to growing customer demand, NEP is now offering custom production of hybridoma cell lines and monoclonal antibodies. Consistent with our core company values, our monoclonal antibody production service is the highest quality and comes with the unmatched service upon which we have built our company. Our staff has over 20 years of experience generating monoclonal antibodies to viral and bacterial components, mammalian cell surface and intracellular antigens, peptides, proteins and polysaccharides.

We provide free initial consultation including antigen design, immunization procedure and screening recommendations. All cell lines and antigens are the exclusive property of the customer and all documentation used to develop each cell line is returned to the customer. All projects are treated confidentially.

MONOCLONAL ANTIBODIES

TRI-PHASE MONOCLONAL ANTIBODY SERVICE PACKAGE		\$6,900 / 4-6 MONTHS
Phase I - Synthesis, Conjugation and Immunization <ul style="list-style-type: none"> • Antigen design and bioinformatics • Peptide synthesis, 10mgs, >90% purity, up to 22-mer • Peptide conjugation to a carrier (KLH, Ovalbumin) • Immunization of 5 Balb/c mice • Test Bleed Screening by ELISA 		(45 days)
Phase II - Hybridoma Development <ul style="list-style-type: none"> • Fusion of splenocytes with Sp2/0 cells (or cell line provided by customer) • ELISA screening of hybridomas • Expansion of hybridomas • Hybridoma selection and initial cryopreservation 		(40 days)
Phase III - Subcloning and Antibody Production <ul style="list-style-type: none"> • Subcloning of up to 5 clones • ELISA screening and expansion • Production of 1 liter of chosen antibody in serum free media 		(40 days)
Additional Antibody Services Available: <ul style="list-style-type: none"> • Monoclonal Purification (Protein A or other) • Cell Storage • Expansion • Mycoplasma Testing • Isotyping • Expansion of additional clones 		

ORGANIC SYNTHESIS

SMALL MOLECULES

New England Peptide, Inc. is pleased to offer custom organic synthesis services to our customers. With decades of combined experience, our chemists have developed expertise in a wide variety of chemistries and are able to produce special amino acid derivatives and customized small molecules. We are able to synthesize multi-gram orders to greater than 99% purity. Past projects include: boronic amino acids, statins, thiolactic acids, isogln derivatives, nitrophenyl esters, phenylethylamides, small molecules.

Since this is a custom product, standard pricing is not available. Please email us at sales@newenglandpeptide.com for a custom quote (please include any structures if applicable).

NOVEL AMINO ACIDS

New England Peptide, Inc. also offers a catalog of novel amino acids for your peptidomimetic needs.

We have synthesized molecules based on a variety of amino acids including but not limited to:

- Phenylalanines
- Prolines
- Pipecolic Acid Analogs
- Cyclic Lysine Derivatives
- Lysines
- Other Amino Acids and Derivatives

You can view our entire list on our website at www.newenglandpeptide.com where you will find names, structures and pricing on our over two hundred novel amino acids.



BUILDING BLOCKS

As everyone knows, to achieve reliable results, you must start with reliable building blocks. NEP has spent the past five years developing and sourcing the best intermediates for our production needs and we now offer them to our customers. They have met our high standards, now let them work for you!

Our amino acids have the highest purity and best solubility of any available. We QC these products every day, using them during the synthesis of thousands of peptides per year. Our resins, activators and other building blocks meet the same high standards and all are offered in convenient sizes. We have also made every attempt to meet your accessory needs and offer filters, o-rings, or syringes for common peptide synthesizers.

Order today by visiting our website or using the enclosed order form on page 39.

BUILDING BLOCKS

AMINO ACID DERIVATIVES

Fmoc Amino Acids

Catalog Number	Description	NEP Pricing
AL01-005	Fmoc-L-Ala-OH, 5g	12.00
AL01-025	Fmoc-L-Ala-OH, 25g	38.00
AL01-100	Fmoc-L-Ala-OH, 100g	110.00
AL02-005	Fmoc-L-Arg(Pbf)-OH, 5g	85.00
AL02-025	Fmoc-L-Arg(Pbf)-OH, 25g	350.00
AL02-100	Fmoc-L-Arg(Pbf)-OH, 100g	1050.00
AL03-005	Fmoc-L-Asn(Trt)-OH, 5g	60.00
AL03-025	Fmoc-L-Asn(Trt)-OH, 25g	225.00
AL03-100	Fmoc-L-Asn(Trt)-OH, 100g	700.00
AL04-005	Fmoc-L-Asp(OtBu)-OH, 5g	50.00
AL04-025	Fmoc-L-Asp(OtBu)-OH, 25g	185.00
AL04-100	Fmoc-L-Asp(OtBu)-OH, 100g	590.00
AL05-005	Fmoc-L-Cys(Trt)-OH, 5g	50.00
AL05-025	Fmoc-L-Cys(Trt)-OH, 25g	190.00
AL05-100	Fmoc-L-Cys(Trt)-OH, 100g	590.00
AL06-005	Fmoc-L-Glu(OtBu)-OH, 5g	55.00
AL06-025	Fmoc-L-Glu(OtBu)-OH, 25g	220.00
AL06-100	Fmoc-L-Glu(OtBu)-OH, 100g	650.00
AL07-005	Fmoc-L-Gln(Trt)-OH, 5g	60.00
AL07-025	Fmoc-L-Gln(Trt)-OH, 25g	220.00
AL07-100	Fmoc-L-Gln(Trt)-OH, 100g	700.00
AL08-005	Fmoc-Gly-OH, 5g	12.00
AL08-025	Fmoc-Gly-OH, 25g	46.00

Fmoc Amino Acids

Catalog Number	Description	NEP Pricing
AL08-100	Fmoc-Gly-OH, 100g	140.00
AL09-005	Fmoc-L-His(Trt)-OH, 5g	40.00
AL09-025	Fmoc-L-His(Trt)-OH, 25g	150.00
AL09-100	Fmoc-L-His(Trt)-OH, 100g	450.00
AL10-005	Fmoc-L-Ile-OH, 5g	12.00
AL10-025	Fmoc-L-Ile-OH, 25g	48.00
AL10-100	Fmoc-L-Ile-OH, 100g	140.00
AL11-005	Fmoc-L-Leu-OH, 5g	12.00
AL11-025	Fmoc-L-Leu-OH, 25g	48.00
AL11-100	Fmoc-L-Leu-OH, 100g	140.00
AL12-005	Fmoc-L-Lys(Boc)-OH, 5g	45.00
AL12-025	Fmoc-L-Lys(Boc)-OH, 25g	170.00
AL12-100	Fmoc-L-Lys(Boc)-OH, 100g	525.00
AL13-005	Fmoc-L-Met-OH, 5g	12.00
AL13-025	Fmoc-L-Met-OH, 25g	48.00
AL13-100	Fmoc-L-Met-OH, 100g	140.00
AL14-005	Fmoc-L-Phe-OH, 5g	12.00
AL14-025	Fmoc-L-Phe-OH, 25g	48.00
AL14-100	Fmoc-L-Phe-OH, 100g	140.00
AL15-005	Fmoc-L-Pro-OH, 5g	12.00
AL15-025	Fmoc-L-Pro-OH, 25g	48.00
AL15-100	Fmoc-L-Pro-OH, 100g	140.00
AL16-005	Fmoc-L-Ser(tBu)-OH, 5g	50.00
AL16-025	Fmoc-L-Ser(tBu)-OH, 25g	200.00

Order today by visiting our website or using the enclosed order form on page 39.

BUILDING BLOCKS

AMINO ACID DERIVATIVES

Fmoc Amino Acids

Catalog Number	Description	NEP Pricing
AL16-100	Fmoc-L-Ser(tBu)-OH, 100g	660.00
AL17-005	Fmoc-L-Thr(tBu)-OH, 5g	50.00
AL17-025	Fmoc-L-Thr(tBu)-OH, 25g	200.00
AL17-100	Fmoc-L-Thr(tBu)-OH, 100g	660.00
AL18-005	Fmoc-L-Trp(Boc)-OH, 5g	80.00
AL18-025	Fmoc-L-Trp(Boc)-OH, 25g	320.00
AL18-100	Fmoc-L-Trp(Boc)-OH, 100g	950.00
AL19-005	Fmoc-L-Tyr(tBu)-OH, 5g	40.00
AL19-025	Fmoc-L-Tyr(tBu)-OH, 25g	150.00
AL19-100	Fmoc-L-Tyr(tBu)-OH, 100g	450.00
AL20-005	Fmoc-L-Val-OH, 5g	12.00
AL20-025	Fmoc-L-Val-OH, 25g	48.00
AL20-100	Fmoc-L-Val-OH, 100g	140.00

Special Derivatives

Catalog Number	Description	NEP Pricing
AS21-001	Fmoc-Ser(PO(OBzl)OH)-OH, 1g	160.00
AS21-005	Fmoc-Ser(PO(OBzl)OH)-OH, 5g	650.00
AS22-001	Fmoc-Thr(PO(OBzl)OH)-OH, 1g	160.00
AS22-005	Fmoc-Thr(PO(OBzl)OH)-OH, 5g	650.00
AS23-001	Fmoc-Tyr(PO(OBzl)OH)-OH, 1g	200.00
AS23-005	Fmoc-Tyr(PO(OBzl)OH)-OH, 5g	800.00
AS24-001	d-Biotin-6-amidocaproic acid (LC Biotin), 1g	400.00

REAGENTS

Catalog Number	Description	NEP Pricing
CC01-KIT	HBTU/HOBt Ready Bottle Kit, 200mmol@0.45M	275.00
CC01-005	HBTU, 5g	20.00
CC01-025	HBTU, 25g	75.00
CC01-100	HBTU, 100g	230.00
CC02-025	HOBt, 25g	20.00
CC02-100	HOBt, 100g	70.00

RESINS

Wang Resins

Catalog Number	Description	NEP Pricing
WL01-001	Fmoc-L-Ala-Wang Resin, 1g	\$25.00
WL01-005	Fmoc-L-Ala-Wang Resin, 5g	\$100.00
WL02-001	Fmoc-L-Arg(Pbf)-Wang Resin, 1g	\$85.00
WL02-005	Fmoc-L-Arg(Pbf)-Wang Resin, 5g	\$340.00
WL03-001	Fmoc-L-Asn(Trt)-Wang Resin, 1g	\$75.00
WL03-005	Fmoc-L-Asn(Trt)-Wang Resin, 5g	\$300.00
WL04-001	Fmoc-L-Asp(OtBu)-Wang Resin, 1g	\$45.00
WL04-005	Fmoc-L-Asp(OtBu)-Wang Resin, 5g	\$180.00
WL05-001	Fmoc-L-Cys(Trt)-Wang Resin, 1g	\$75.00
WL05-005	Fmoc-L-Cys(Trt)-Wang Resin, 5g	\$300.00
WL06-001	Fmoc-L-Glu(OtBu)-Wang Resin, 1g	\$45.00
WL06-005	Fmoc-L-Glu(OtBu)-Wang Resin, 5g	\$180.00

Order today by visiting our website or using the enclosed order form on page 39.

BUILDING BLOCKS

RESINS

Wang Resins

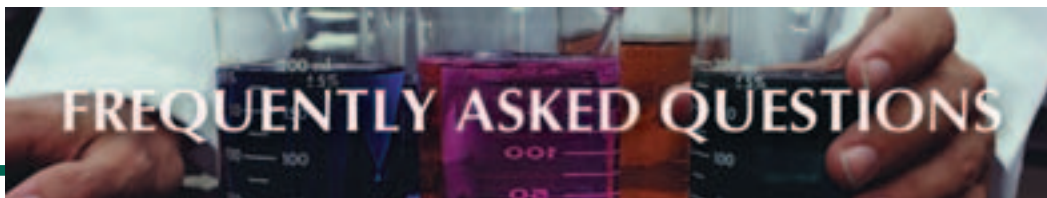
Catalog Number	Description	NEP Pricing
WL07-001	Fmoc-L-Gln(Trt)-Wang Resin, 1g	\$85.00
WL07-005	Fmoc-L-Gln(Trt)-Wang Resin, 5g	\$340.00
WL08-001	Fmoc-Gly-Wang Resin, 1g	\$20.00
WL08-005	Fmoc-Gly-Wang Resin, 5g	\$85.00
WL09-001	Fmoc-L-His(Trt)-Wang Resin, 1g	\$75.00
WL09-005	Fmoc-L-His(Trt)-Wang Resin, 5g	\$300.00
WL10-001	Fmoc-L-Ile-Wang Resin, 1g	\$20.00
WL10-005	Fmoc-L-Ile-Wang Resin, 5g	\$85.00
WL11-001	Fmoc-L-Leu-Wang Resin, 1g	\$20.00
WL11-005	Fmoc-L-Leu-Wang Resin, 5g	\$85.00
WL12-001	Fmoc-L-Lys(Boc)-Wang Resin, 1g	\$45.00
WL12-005	Fmoc-L-Lys(Boc)-Wang Resin, 5g	\$180.00
WL13-001	Fmoc-L-Met-Wang Resin, 1g	\$20.00
WL13-005	Fmoc-L-Met-Wang Resin, 5g	\$85.00
WL14-001	Fmoc-L-Phe-Wang Resin, 1g	\$20.00
WL14-005	Fmoc-L-Phe-Wang Resin, 5g	\$85.00
WL15-001	Fmoc-L-Pro-Wang Resin, 1g	\$20.00
WL15-005	Fmoc-L-Pro-Wang Resin, 5g	\$85.00
WL16-001	Fmoc-L-Ser(tBu)-Wang Resin, 1g	\$50.00
WL16-005	Fmoc-L-Ser(tBu)-Wang Resin, 5g	\$200.00

Wang Resins

Catalog Number	Description	NEP Pricing
WL17-001	Fmoc-L-Thr(tBu)-Wang Resin, 1g	\$55.00
WL17-005	Fmoc-L-Thr(tBu)-Wang Resin, 5g	\$220.00
WL18-001	Fmoc-L-Trp(Boc)-Wang Resin, 1g	\$100.00
WL18-005	Fmoc-L-Trp(Boc)-Wang Resin, 5g	\$400.00
WL19-001	Fmoc-L-Tyr(tBu)-Wang Resin, 1g	\$45.00
WL19-005	Fmoc-L-Tyr(tBu)-Wang Resin, 5g	\$180.00
WL20-001	Fmoc-L-Val-Wang Resin, 1g	\$20.00
WL20-005	Fmoc-L-Val-Wang Resin, 5g	\$85.00

ACCESSORIES

Catalog Number	Description	NEP Pricing
AC01-016	Pioneer 16mm column filters-10pk	\$25.00
AC01-027	Pioneer 27mm column filters-10pk	\$35.00
AC02-016	Pioneer 16mm column o-rings-10pk	\$25.00
AC02-027	Pioneer 27mm column o-rings-10pk	\$35.00
AC03-003	3ml syringe and filter frit-50pk	\$37.50
AC03-010	10ml syringe and filter frit-50pk	\$50.00
AC04-100	APEX 396 96 reactor filters-100pk	\$100.00
AC05-001	Polyfiltronics Vacuum Manifold Seal	\$25.00



GENERAL INFORMATION

Q: How do I place my order?

A: New England Peptide, Inc. offers four options for ordering products:

- Use our convenient Online Quote and Ordering System on our website at www.newenglandpeptide.com
- Use the enclosed order forms from this catalog or download an order form from our website and fax it to us at: 978-630-0021
- Email us at: sales@newenglandpeptide.com
- Call us at: 978-630-0020 or Toll Free 888-343-5974

Q: How do I check the status of my order?

A: If you create an account on our website at www.newenglandpeptide.com, you can create, archive and track your orders and quotes right from your Account Summary screen under My Account from our homepage and, as always, feel free to call our friendly customer service department at 888-343-5974 during normal business hours.

CUSTOM PEPTIDES

Q: What do I do with the ends of my peptides, keep them free or block them?

A: Peptides are created to mimic proteins. In order to mimic protein behavior, we must synthesize a peptide that has similar structure and charge. When a peptide is "cut out" from a protein, charges on the ends of the fragment peptide will be different than the parent. We have to alter synthesis strategies to make them identical.

In summary:

If the sequence is c-terminal, block the n-terminus by acetylation.

If the sequence is n-terminal, block the c-terminus by making it an amide.

If the sequence is internal, block both ends with acetylation and amidation.

Q: If my peptide is 95% pure, what is in the other 5%?

A: Peptide purity is determined by reverse phase HPLC using a standard gradient (1% per minute) established by NEP. During synthesis, the coupling reaction of one amino acid to another is not always 100% efficient, causing a variety of deletion sequences to be generated. Most of the deletion sequences are purified out, but a few may have similar chromatographic characteristics as the target peptide. These remain in the peptide sample and account for the few percent of impurities.

Q: How do I reconstitute my peptide?

A: Solubility of peptides depends upon peptide sequence. First try sterile water and sonication (1-10mgs/ml). If this fails, count the number of basic residues (Lys, Arg, His and free N-terminus), then count the number of acidic residues (Glu, Asp and free C-terminus). If there are more basic residues add .1N acetic acid dropwise until solubilized. If there are more acidic residues add .1N ammonium hydroxide dropwise until solubilized. When using buffers in your experiments it is recommended that you do not add salts until the peptide is in solution, since salts may hinder solubility. If you can not solubilize your peptide, you may also try organic solvents such as DMSO, acetonitrile, or DMF.

Q: What is PepTrend®?

A: PepTrend® is a software program designed by NEP to facilitate peptide design and synthesis during peptide production. Every sequence is tested in the three areas of peptide production, including synthesis, cleavage and purification. PepTrend® uses decades of scientifically proven data, along with general trends found during the synthesis of thousands of peptides to warn of potential problems during any of the three areas of synthesis. The software allows NEP to provide the highest level of service for our customers. NEP can instantly warn customers of potential problems while seeking alternate synthesis strategies before production starts.

Q: What is net peptide content and what does it mean?

A: The weight of dry peptide doesn't consist of peptide only, but includes non-peptide components such as water, absorbed solvents, counter ions and salts. Net peptide content is the actual percent weight of peptide. This number may vary, from 50-90 percent, depending on the purity, sequence and method of synthesis and purification. Do not confuse peptide content with purity, they are two distinctly separate things. Purity is usually determined by HPLC. Purity defines the percent of sample that is the correct peptide sequence, while net peptide content only gives information on the percent of peptide versus non-peptide components. Net peptide content is accurately found by performing amino acid analysis or UV spectrophotometry. This information is important when calculating concentrations of peptide during sensitive experiments. If required, please ask NEP.

FREQUENTLY ASKED QUESTIONS

CUSTOM PEPTIDES

(continued from previous page)

Q: What purity do I need for my experiments?

A: The final purity of a peptide is very important and depends on the type of experimentation you are doing:

- For non-sensitive screening assays crude or >75% is recommended.
- For immunogen grade >85% is recommended.
- For receptor/ligand studies, bio-assay studies, or cell studies >95% is recommended.
- For structural studies >98% is recommended.

Q: How do I store my peptides?

A: Peptide Storage: If possible, peptides should always be stored in lyophilized form at -20° C. This will prevent bacterial degradation, secondary structure formation, oxidation and other modifications for up to several years. Peptides in solution are less stable, so it is strongly recommended that you use sterile water or sterile filtration during reconstitution. If there are any methionine, cysteine, or tryptophan residues, use oxygen free solvents to prevent oxidation. When using frozen solutions, it is recommended to divide into aliquots to prevent damage caused by several freeze-thawing cycles. Recommended pH range should be between 3-6.

Long Term Storage: (3 months-5 years) Lyophilized powder, frozen and desiccated at -20° C.

Medium Term Storage: (0-3 months) Frozen liquid (-20° C) or refrigerated lyophilized powder.

Short Term Storage: (<1 week) Refrigerated liquid or refrigerated lyophilized powder.

Q: What is the maximum peptide length you can produce?

A: New England Peptide, Inc. routinely synthesizes peptides >70 amino acids in length. The longest peptide (protein) we have made synthetically has been 120 amino acids long.

CUSTOM POLYCLONAL ANTIBODIES

Q: What are your accreditations?

A: We only contract with programs that are AAALAC accredited, OLAW approved, and USDA licensed.

Q: What chemistry do you typically use for KLH conjugation?

A: NEP prefers to use MBS activated KLH, which will conjugate the carrier to a free sulfhydryl of a cysteine in your peptide. This is a straightforward, specific and stable chemistry. EDC conjugation is also available but only recommended when you have internal cysteines or multiple cysteines in your antigen.

Q: Why does my KLH/Peptide solution appear cloudy?

A: KLH or Keyhole Limpet Hemocyanin is a large (MW = $4 \times 10^5 - 1 \times 10^7$) aggregating protein. Because of its size and structure, its solubility in water is often limited, causing a cloudy appearance. This does not affect immunogenicity and the turbid solution can be used for immunizations.

Q: How much antibody should I expect to receive?

A: Antibody production depends on epitope selection, peptide synthesis, carrier conjugation, immunization procedures and biological systems in animals. Therefore there is variability in antibody quantities. A typical NEP standard protocol produces from 5-25 mgs of antibody. A typical NEP affinity purified protocol produces from 2-10 mgs of antibody.

Q: How do I store my antisera?

A: Sera storage should be at -20°C (for up to one year). For longer term storage add azide and freeze.

Q: Which antibody package is right for me?

A: Polyclonal antibodies can be unpredictable in their specificity and concentration. If you are doing a quick non sensitive assay, it may be possible to use the antisera directly without any additional purification. In this case order our standard antibody protocol. If you require a more specific and concentrated antibody, the affinity purified protocol would be the appropriate choice. (A good example where an affinity purified protocol would be applicable is with the production of a phosho specific antibody.)

FREQUENTLY ASKED QUESTIONS

CUSTOM MONOCLONAL ANTIBODIES

Q: How much antigen do I need to make monoclonal antibodies?

A: This depends on the type of antigen being used. For a large (>5000 Daltons), typically antigenic protein such as a viral particle when no conjugation is required, 25-50 ug/animal per immunization and 50-500ug per ELISA test is necessary. Small peptides and weak or non-immunogenic antigens require conjugation to carrier proteins such as ovalbumin or KLH. Additional material would be required for conjugation or if additional immunizations and subsequent testings are required for a weakly antigenic compound. Usually, we will ask for at least 5 mg of material. Any unused material will be returned to the customer.

Q: How should I ship antigen to NEP?

A: Proteins and peptides are best shipped overnight at the conditions under which they are generally stored, usually on dry ice or cold packs. We would prefer a concentration of at least 1 mg/ml in a biological buffer such as PBS or Tris. No preservatives or protease inhibitors should be used. There are some exceptions to this rule such as proteins in chaotropic agents or gels. This can be discussed at the time of initial consultation.

Q: What screening method does NEP use?

A: In the standard monoclonal package, NEP will design a direct ELISA with your antigen bound to a 96-well plate for screening. The success of a research project using monoclonal antibodies often depends on the screening assay used to produce the antibodies. NEP will work with you to determine the most appropriate way to screen for the clone of interest.

Q: What is a typical immunization protocol?

A: The standard monoclonal package includes an immunization (IM and IP) with CFA, followed by two more immunizations (IP) with IFA, 2 weeks apart, then a test bleed. If an animal shows a good immune response, an IV booster is done 4-5 days before the spleen is taken for fusion. If serum titers of all animals are unacceptable prior to initiating fusion, alternative immunization protocols can be explored.

Q: What will I receive at the end of a standard monoclonal package?

A: The customer receives up to five hybridomas that have been subcloned and screened by ELISA to assure clonality. This will take the form of two vials of frozen cells of each clone or a flask of live cells. In addition, the customer receives the resulting production of one liter of batch-produced antibody from one of the hybridoma cell lines. Because yields vary among cell lines, we cannot guarantee a specific amount. On average, concentrations of antibody range from 10 to 100 ug/ml, totaling 10 to 100 mgs of antibody.

Q: What is NEP's policy of ownership and confidentiality?

A: The customer owns everything produced under contract to NEP, including the paperwork. Each program is conducted in strict and complete confidentiality.

PEPTIDE ARRAYS

Q: How can New England Peptide, Inc. help me with my HTS?

A: In order to satisfy the growing requirements of the proteomics boom, New England Peptide, Inc. has designed a new Peptide Array program. We have developed a rapid, economical way to synthesize 96 different peptides, unbound, in a 96-well format. Each plate is individually tested for accuracy and can be used for epitope mapping, libraries, protein characterization and much more. We offer up to 15-mer peptides at 2.5 um scale (2-3 mgs of peptide per well). We also offer 3 tiers of analysis and delivery in only 2 weeks. Using this format, peptides cost as little as \$28 each.

Q: Which array analysis tier is right for me?

A: Tier 1 includes a mass spectral analysis of 5 statistically significant peptides. This tier is appropriate when the peptide sequences are very similar, sequences are short (7-8 amino acids) or the research is in a very general or early stage. **Tier 2 includes a mass spectral analysis of every peptide. We recommend this tier for all of our customers, as it offers the best value and assurance that your peptides are correct. Use Tier 2 for all applications, including longer peptides or difficult sequences.** Tier 3 includes a mass spectral analysis and HPLC profile of every peptide. This tier is useful when HTS is at a later stage and before peptides are singled out for larger scale production.



CUSTOM PEPTIDE (1-2 Peptides)

Order Form

Quote Request

Fax To: New England Peptide, Inc. • 978-630-0021

Date: _____ Purchase Order#: _____ Number of Peptides: _____
 Institution: _____
 End User Name: _____ Purchasing Agent: _____
 Phone: _____ Fax: _____ Email: _____
 Ship To Address: _____
 Bill To Address: _____

PEPTIDE 1 NAME: _____

N-term - - - - -
 - - - - -
 - - - - - C-term

N-terminus: Free Amine Acetyl (Blocked) **C-terminus:** Free Acid Amide (Blocked)
Quantity: 5mg 10mg 15mg 20mg 25mg 30mg 50mg Other: _____ mgs
Purity: Crude >75% >85% >90% >95% >98%

PEPTIDE 2 NAME: _____

N-term - - - - -
 - - - - -
 - - - - - C-term

N-terminus: Free Amine Acetyl(Blocked) **C-terminus:** Free Acid Amide(Blocked)
Quantity: 5mg 10mg 15mg 20mg 25mg 30mg 50mg Other: _____ mgs
Purity: Crude >75% >85% >90% >95% >98%

Mass Spectral Analysis and HPLC trace always included. **Amino Acid Analysis:** (\$150 per peptide) Check Here

Other Modifications or requests: _____

Customer Signature _____

FOR NEW ENGLAND PEPTIDE USE ONLY

Quotation Quote # _____ Order Order # _____
 Price (US Dollars): _____ + shipping (\$25) = _____
 Delivery: _____
 NEP Signature _____

AMINO ACID CHART	
Alanine	A
Arginine	R
Asparagine	N
Aspartic Acid	D
Cysteine	C
Glutamic Acid	E
Glutamine	Q
Glycine	G
Histidine	H
Isoleucine	I
Leucine	L
Lysine	K
Methionine	M
Phenylalanine	F
Proline	P
Serine	S
Threonine	T
Tryptophan	W
Tyrosine	Y
Valine	V
B-Alanine	bA
2-Aminobutyric Acid	Abu
Aminoisobutyric Acid	Aib
Aminohexanoic Acid	Ahx
Citrulline	Cit
Hydroxyproline	Hyp
Norleucine	Nle
Norvaline	Nva
Ornithine	Orn
Phospho Serine	pS
Phospho Threonine	pT
Phospho Tyrosine	pY
Sarcosine	Sar

CUSTOM PEPTIDE PRICING TABLE							
MGS	Purity	Crude	>75%	>85%	>90%	>95%	>98%
5	—	\$15	\$27	\$36	\$42	\$45	inquire
10	—	\$15	\$29	\$40	\$46	\$50	inquire
15	—	\$15	\$34	\$45	\$52	\$60	inquire
20	—	\$15	\$37	\$48	\$57	\$68	inquire
25	—	\$20	\$40	\$50	\$62	\$72	inquire
30	—	\$22	\$41	\$53	\$65	\$76	inquire
40	—	\$23	\$49	\$60	\$73	\$82	inquire
50	—	\$30	\$60	\$70	\$87	\$95	inquire
75	—	\$35	\$70	\$80	\$100	\$110	inquire
100	—	\$40	\$84	\$100	\$115	\$130	inquire
>100	—	inquire	inquire	inquire	inquire	inquire	—
Prices are per amino acid residue and include synthesis, purification, HPLC Analysis and Mass Spectral Analysis, (8-22mers) Common Modifications: (Per 10mgs of final product) pSer - \$200 pThr - \$200 pTyr - \$150 LC Biotin - \$100 Fluorescein - \$250 KLH/BSA Coupling - \$40 per milligram Acetylation/Amidation - cost of 1 amino acid residue							

PEPTIDE ARRAYS SERVICE PACKAGES:
Three Analysis Options and Pricing: Tier One \$2,750 • Mass Spec of 5 statistically significant peptides Tier Two \$3,500 • Mass Spec of every peptide Tier Three \$5,500 • Mass Spec and HPLC of every peptide

POLYCLONAL ANTIBODY SERVICE PACKAGES:
Standard Polyclonal Package - \$1,300 (75 Days) Affinity Purified Polyclonal Package - \$1,950 (90 days) Phospho Specific Affinity Purified Polyclonal Package - \$3,750 (90 days)

TRI-PHASE MONOCLONAL ANTIBODY SERVICE PACKAGE:
STANDARD MONOCLONAL PACKAGE: \$6,900 4-6 months Phase I Synthesis, Conjugation and Immunization (45 days) Phase II Hybridoma Development (40 days) Phase III Subcloning and Antibody Production (40 days)

AMINO ACID CHART	
Alanine	A
Arginine	R
Asparagine	N
Aspartic Acid	D
Cysteine	C
Glutamic Acid	E
Glutamine	Q
Glycine	G
Histidine	H
Isoleucine	I
Leucine	L
Lysine	K
Methionine	M
Phenylalanine	F
Proline	P
Serine	S
Threonine	T
Tryptophan	W
Tyrosine	Y
Valine	V
B-Alanine	bA
2-Aminobutyric Acid	Abu
Aminoisobutyric Acid	Aib
Aminohexanoic Acid	Ahx
Citrulline	Cit
Hydroxyproline	Hyp
Norleucine	Nle
Norvaline	Nva
Ornithine	Orn
Phospho Serine	pS
Phospho Threonine	pT
Phospho Tyrosine	pY
Sarcosine	Sar

CUSTOM PEPTIDE PRICING TABLE

MGS	Purity	Crude	>75%	>85%	>90%	>95%	>98%
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20	—	\$15	\$37	\$48	\$57	\$68	inquire
25	—	\$20	\$40	\$50	\$62	\$72	inquire
30	—	\$22	\$41	\$53	\$65	\$76	inquire
40	—	\$23	\$49	\$60	\$73	\$82	inquire
50	—	\$30	\$60	\$70	\$87	\$95	inquire
75	—	\$35	\$70	\$80	\$100	\$110	inquire
100	—	\$40	\$84	\$100	\$115	\$130	inquire
>100	—	inquire	inquire	inquire	inquire	inquire	—

Prices are per amino acid residue and include synthesis, purification, HPLC Analysis and Mass Spectral Analysis, (8-22mers)

Common Modifications: (Per 10mgs of final product)

- pSer - \$200
- pThr - \$200
- pTyr - \$150
- LC Biotin - \$100
- Fluorescein - \$250
- KLH/BSA Coupling - \$40 per milligram
- Acetylation/Amidation - cost of 1 amino acid residue

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- Tier One \$2,750**
 - Mass Spec of 5 statistically significant peptides
 - Tier Two \$3,500**
 - Mass Spec of every peptide
 - Tier Three \$5,500**
 - Mass Spec and HPLC of every peptide

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 - Phase III** Subcloning and Antibody Production (40 days)



CUSTOM POLYCLONAL ANTIBODY

Order Form

Quote Request

Fax To: New England Peptide, Inc. • 978-630-0021

Date: _____ Purchase Order#: _____ Number of Protocols: _____

Institution: _____

End User Name: _____ Purchasing Agent: _____

Phone: _____ Fax: _____ Email: _____

Ship To Address: _____

Bill To Address: _____

STANDARD POLYCLONAL ANTIBODY PACKAGE - \$1,300 (75 DAYS):

CHECK HERE

- Antigen design/Bioinformatics
- 15-mer peptide, 10mgs at 85+%
- 5 mgs uncoupled to customer, 4mgs coupled to KLH, 1mg for ELISA
- Mass Spec and HPLC trace
- Immunization of 2 rabbits
- 10mls Pre immune serum
- 80-100mls rabbit antiserum
- ELISA on production bleeds

AFFINITY PURIFIED POLYCLONAL ANTIBODY PACKAGE - \$1,950 (90 DAYS):

CHECK HERE

- Everything in the standard package
- Extra peptide for affinity purification
- Affinity purification of 50ml antiserum

PHOSPHO SPECIFIC AFFINITY PURIFIED POLYCLONAL ANTIBODY PACKAGE - \$3,750 (90 DAYS):

CHECK HERE

- Antigen design/Bioinformatics
- 2 peptides, 10mgs phospho peptide, 10mgs non phospho peptide at 90+%
- 5 uncoupled mgs
- Mass Spec and HPLC trace
- Immunization of 2 rabbits with phospho peptide
- Pre-immune serum
- 80-100 ml rabbit antiserum
- ELISA on production bleeds
- Double affinity purification to yield phospho specific antibody

(circle one) NH2/Ac - _____ - OH/NH (circle one)

(circle one) NH2/Ac - _____ - OH/NH (circle one)

(circle one) NH2/Ac - _____ - OH/NH (circle one)

(circle one) NH2/Ac - _____ - OH/NH (circle one)

Special requests: _____

Customer Signature _____

FOR NEW ENGLAND PEPTIDE USE ONLY

Quotation Quote # _____ Order Order # _____

Price (US Dollars): _____ + shipping (\$50) = _____

Delivery: _____

NEP Signature _____

AMINO ACID CHART	
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Arginine	R
Asparagine	N
Aspartic Acid	D
Cysteine	C
Glutamic Acid	E
Glutamine	Q
Glycine	G
Histidine	H
Isoleucine	I
Leucine	L
Lysine	K
Methionine	M
Phenylalanine	F
Proline	P
Serine	S
Threonine	T
Tryptophan	W
Tyrosine	Y
Valine	V
B-Alanine	bA
2-Aminobutyric Acid	Abu
Aminoisobutyric Acid	Aib
Aminohexanoic Acid	Ahx
Citrulline	Cit
Hydroxyproline	Hyp
Norleucine	Nle
Norvaline	Nva
Ornithine	Orn
Phospho Serine	pS
Phospho Threonine	pT
Phospho Tyrosine	pY
Sarcosine	Sar

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Arginine	R
Asparagine	N
Aspartic Acid	D
Cysteine	C
Glutamic Acid	E
Glutamine	Q
Glycine	G
Histidine	H
Isoleucine	I
Leucine	L
Lysine	K
Methionine	M
Phenylalanine	F
Proline	P
Serine	S
Threonine	T
Tryptophan	W
Tyrosine	Y
Valine	V
B-Alanine	bA
2-Aminobutyric Acid	Abu
Aminoisobutyric Acid	Aib
Aminohexanoic Acid	Ahx
Citrulline	Cit
Hydroxyproline	Hyp
Norleucine	Nle
Norvaline	Nva
Ornithine	Orn
Phospho Serine	pS
Phospho Threonine	pT
Phospho Tyrosine	pY
Sarcosine	Sar

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30	—	\$22	\$41	\$53	\$65	\$76	inquire
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75	—	\$35	\$70	\$80	\$100	\$110	inquire
100	—	\$40	\$84	\$100	\$115	\$130	inquire
>100	—	inquire	inquire	inquire	inquire	inquire	—

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- Mass Spec of 5 statistically significant peptides

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- Mass Spec of every peptide

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- Mass Spec and HPLC of every peptide

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STANDARD MONOCLONAL PACKAGE: \$6,900 4-6 months

Phase I Synthesis, Conjugation and Immunization (45 days)

Phase II Hybridoma Development (40 days)

Phase III Subcloning and Antibody Production (40 days)

GENERAL INFORMATION

ORDERING

New England Peptide offers many options for ordering products:

Phone: Toll Free 1-888-343-5974 or 978-630-0020 • 8:00AM to 5:00PM EST

Fax: 978-630-0021 • 24 hour service (use the order forms located in this catalog)

Internet: www.newenglandpeptide.com

E-mail: sales@newenglandpeptide.com

Mail: New England Peptide, Inc.
65 Zub Lane
Gardner, MA 01440

If not using the enclosed, easy-to-use order forms then please specify:

- | | |
|--------------------------|---------------------------|
| 1. Institution | 7. Fax Number |
| 2. Customer Name | 8. Peptide Sequence |
| 3. Shipping Address | 9. Peptide Purity |
| 4. Billing Address | 10. Peptide Quantity |
| 5. Purchase Order Number | 11. Shipping Requirements |
| 6. Telephone Number | |

CREDIT CARD PURCHASES

For your convenience, we accept American Express, Mastercard, Visa.



SHIPPING

NEP ships all orders priority overnight by United Parcel Service (UPS). Shipping charges will be added to the invoice. International shipping is \$65.

PRICING

All prices are in US Dollars and are subject to change without notice.

TERMS

Net 30 days. Overdue accounts are subject to a 1.5% monthly service charge (18% annual).

QUALITY GUARANTEE

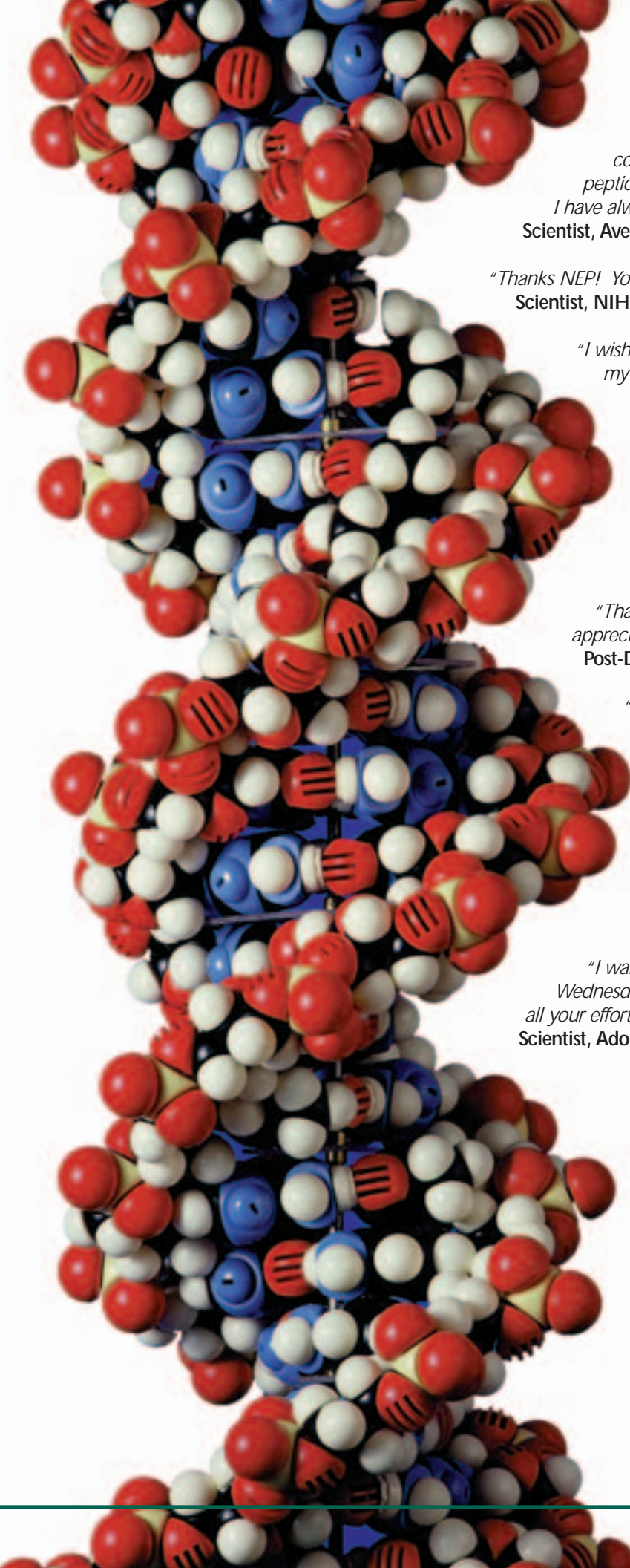
Satisfaction is 100% guaranteed. A lot specific Certificate of Analysis is provided with every order. If you are not satisfied with your order, please contact us immediately for resolution of the problem or return authorization. New England Peptide, Inc. will not assume responsibility for misused or damaged product.

LIABILITY

All products sold by New England Peptide, Inc. are not for use in humans.

OTHER

NEP is a woman owned and operated corporation.
NIH BPA Number: 00052815



"I just wanted to tell you how impressed I am with your company. ... you have ALWAYS provided me with first-quality peptides, in a timely manner and at a competitive price. In addition, I have always received excellent service from your staff."

Scientist, Aventis Pharmaceuticals

"Thanks NEP! You're a life-saver!"

Scientist, NIH

"I wish all of my suppliers were as good as NEP. It would make my job a lot easier!"

Researcher, Abbott Bioresearch Center

"I appreciate very much you checking on this. You have potentially saved us from many problems later. Please let Sam know how much confidence we have in your work and look forward to working together on many more peptides next year."

Scientist, Igen International, Inc.

"Thanks so much for your help – I can't tell you how much I appreciate helpful customer service."

Post-Doc, University of North Carolina

"You guys are da best!!!"

Director, Millennium Pharmaceuticals, Inc.

"I really didn't EXPECT you to do this, you know. You make it look too easy."

Scientist, Promega Corporation

"...unbelievable, isn't it, it took you less time to synthesize the peptide than for our purchasing to process the order!"

Purchasing Agent

"I wanted to let you know that the peptides that we received on Wednesday made it into our registration deadline. I really appreciate all your efforts to get these compounds made in time."

Scientist, Adolor Corporation

**NEW ENGLAND
PEPTIDE, INC.**

65 Zub Lane, Gardner, MA 01440

Toll Free: 1-888-343-5974

Tel: 978-630-0020 / **Fax:** 978-630-0021

Sales: sales@newenglandpeptide.com

Tech Support: tech@newenglandpeptide.com

Billing Inquiries: billing@newenglandpeptide.com

Federal ID#: 04-345-0608 / **NIH BPA#:** 00052815

NEP is a woman owned and operated corporation.

www.newenglandpeptide.com