

- 
- Bio-Reagents
 - Gene synthesis
 - Peptide Synthesis
 - Protein Expression
 - Antibody Production

 **BIOMATIK**
Life Science Products and Services



Since 2002, Biomatik has provided worldwide researchers in life science discovery with superior quality and exceptional service. We offer one-stop sources for bio-reagents, custom oligo, gene, peptide, protein and antibody services.

Bio-Reagents:

- 1) Biochemicals & Enzymes
- 2) PCR, qPCR & RT-PCR
- 3) Bio-Kits
- 4) Markers & Vectors
- 5) Culture Media
- 6) Catalog Antibodies

Custom Services:

Custom Oligo Synthesis
Custom Gene Synthesis
Custom Peptide Synthesis
Custom Protein Expression
Custom Antibody Production

Biomatik works closely with our partners at the R&D and production levels to provide complete customized solutions to help unveil the mysteries of life sciences. We are convinced that the products and services we offer will meet and exceed your expectations.

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Biomatik Catalog 2012-2014 is available in both hard copy and PDF. We will be more than happy to send you one upon request.

Custom Gene Synthesis

Deliver any gene in any vector ... more affordable than ever!

Biomatik has been providing highly competitive custom gene synthesis service since year 2004 – the gene synthesis service you can trust and it is affordable! Biomatik particularly specializes in complex genes with high/low GC content and repetitive sequences. Genes up to 1Kb are normally shipped in 2-3 weeks!

Key Features

- ✓ 100% sequence accuracy guarantee
- ✓ Advanced codon optimization technology
- ✓ Cloning in any vector you desire
- ✓ Rush service in as little as 6 business days



Deliverables

- 4 µg of lyophilized plasmid containing the gene insert, sequence verified
- Complete QC Control data, including QA certificate, project report, construct map, alignment file and sequence chromatograms

Standard Gene Synthesis Turnaround Time

Gene Length	Estimated Delivery Time
≤ 1,000 bp	2 - 3 weeks
1,001 bp - 3,000 bp	2 - 4 weeks
> 3,000 bp	> 4 weeks

Rush Gene Synthesis Turnaround Time (for non-complex genes only)

Gene Length	Estimated Delivery Time (Business Days)
≤ 800 bp	6 days
801 bp - 1,200 bp	8 days
1,201 bp - 2,000 bp	10 days

Service Description of Typical Gene Synthesis

- 1) Free Codon Optimization if requested
- 2) Synthesis Strategy: sequence analysis and strategy determination
- 3) Gene Construction: construct the entire gene according to strategy
- 4) Sub-cloning: clone the synthetic gene into our standard vector or the vector of your choice
- 5) Sequence Verification: Sequencing the final construct, 100% matching your requested sequence guaranteed

"I've been universally happy with your company."

Scientist
Department of Physics
The City College of New York, USA

"The different groups have all found your service very good and this is why another group has decided to go with your company as it has been highly recommended."

Scientist
College of Life Sciences
University of Dundee, UK



Custom Peptide Synthesis

Peptides at the best quality and prices ... only at Biomatik!

Biomatik is the world's leading supplier of high quality synthetic peptides for academia and industry. With flexible scale ranging from milligrams to kilograms, wide range of labeling and modification services, and high-throughput peptide library synthesis capacity, we are able to synthesize almost all kinds of peptides that have appeared in the literature, in the shortest possible time frame. Each peptide synthesis is completed under stringent quality control; most purified peptides under 30aa are delivered in 2-3 weeks!

Key Features

- ✓ High success rate
- ✓ For peptides up to 130aa
- ✓ From milligrams to kilograms
- ✓ Crude to 99+% by HPLC
- ✓ Comprehensive labeling and modifications
- ✓ Extensive experience in lengthy and complex peptides
- ✓ Rush service in as little as 7 business days



Deliverables

- Peptide in lyophilized powder
- Certificate of Analysis, QC Data (HPLC & MS)

Peptide Synthesis Price Reference Table (partially listed only)

Qty/Purity	Crude	75%	85%	98%
4 mg	\$4.10	\$9.20	\$11.90	\$22.23
19 mg	\$6.24	\$13.70	\$19.09	\$34.75
49 mg	\$8.51	\$19.56	\$25.23	\$48.77
100 mg	\$10.87	\$30.90	\$37.04	\$69.24

Price per residue, valid for peptides less than 30aa only; Minimum \$100 per peptide.

"Over the years, I have used several companies to synthesize peptides for my research. My experience with Biomatik has been top notch. Biomatik offers quality products at competitive prices. In fact, the latest peptide I ordered from them was about half the cost of several competitors. Their customer service personnel are competent and professional, making the process of ordering peptides quick and pain-free. I will continue to use Biomatik for all my peptide synthesis needs."

Scientist
Dept. of Cell & Tissue Biology
University of California, San Francisco
San Francisco, CA 94143, USA

"Easy-to-obtain prompt quotes online, reasonable prices, very responsive service, and high quality peptides. I will continue to use Biomatik and recommend them to colleagues."

Scientist
Head, High-Throughput Screening & Drug Discovery Lab
Nemours Center for Childhood Cancer Research
Wilmington DE 19803, USA

Custom Protein Expression

Custom Protein Service that is Dependable and Affordable!

Biomatik's proprietary protein expression and purification platforms can produce high quality functional recombinant proteins used in biomedical and pharmaceutical research. Given our extensive expertise in gene synthesis service, we can start your recombinant protein project from anywhere you wish! It can be from de novo gene synthesis, or from customer provided materials (plasmids or expression strains) to protein expression, and to final refolding and purification, and deliver high quality purified protein in a timely and cost effective manner. Moreover, our committed technical specialists will guide you through every step of the project, and keep you posted of the project progress.

Custom Protein Service Packages

There are four recombinant protein expression systems, including bacteria, yeast, baculovirus infected insect cells, and mammalian cells. *E. coli* protein expression system has several advantages, including ease of culture, rapid cell growth and relatively simple purification procedures. We list our popular *E. coli* protein expression and purification packages below. Feel free to inquire if you are interested in other expression systems.

Protein Expression Package Description (<i>E. coli</i>)	
#PE1001 5mg <i>E. coli</i> Guaranteed Protein Package Service Includes: Subcloning, Expression optimization & verification, and Expression (with tag) & purification	Deliverables: Guaranteed 5mg purified soluble protein from <i>E. coli</i> ; QC data
#PE1002 15mg <i>E. coli</i> Guaranteed Protein Package Service Includes: Subcloning, Expression optimization & verification, and Expression (with tag) & purification	Deliverables: Guaranteed 15mg purified soluble protein from <i>E. coli</i> ; QC data
#PE1003 5mg <i>E. coli</i> Guaranteed Protein Package (with tag removal) Service Includes: Subcloning, Expression (with tag) optimization & verification, Expression & purification, tag removal	Deliverables: Guaranteed 5mg purified soluble protein from <i>E. coli</i> , tag removed; QC data
#PE1004 15mg <i>E. coli</i> Guaranteed Protein Package (with tag removal) Service Includes: Subcloning, Expression (with tag) optimization & verification, Expression & purification, tag removal	Deliverables: Guaranteed 15mg purified soluble protein from <i>E. coli</i> , tag removed; QC data

1. Customer to provide the plasmid or the expression strain. If there is no material to provide, Biomatik can start with gene synthesis.
2. Size of the target protein is usually less than 100KDa; Price is subject to change if it is greater than 100KDa.
3. QC data includes SDS-PAGE & Western Blot (available only for HIS tagged proteins). For other tagged proteins or if HIS tag has been removed, additional charges may apply for WB detection if required.
4. Biomatik guarantees protein to be soluble, but not the bioactivity or functionality. If target protein expresses as inclusion body, refolding will be done to make it soluble.
5. Biomatik does not guarantee the endotoxin level of purified protein; Endotoxin removal can be requested at additional cost.

Custom Antibody Production

All the Flexibility for Your Custom Antibody Needs!

Biomatik has set higher standards for its custom polyclonal and monoclonal antibody production services in the industry with ELISA and application guarantees. With our gene synthesis, peptide synthesis and protein expression services, we can make any antibody from scratch, at very affordable prices. From cDNA, plasmid, expression strain, peptide, protein ... whatever you wish to start with for your antibody needs, Biomatik will find a route to custom make the antibody you desire! All standard packages come with ELISA guarantee: ELISA >1:32,000 for pAb; ELISA >1:80,000 for mAb.

Custom Polyclonal Antibody Packages	Custom Monoclonal Antibody Package
Code#SA0033 Peptide Polyclonal Antibody Package >Peptide antigen, 2 rabbits >From peptide synthesis, immunization, to antigen affinity purified polyclonal antibody	Code#SA0131 Peptide Monoclonal Antibody Package >Peptide antigen, 3-5 Balb/c mice >From peptide synthesis, immunization, to ascites production and protein A/G purified monoclonal antibody
Code#SA0031 Protein Polyclonal Antibody Package >Protein antigen, 2 rabbits >Customer to provide protein >From immunization to protein A/G purified polyclonal antibody	Code#SA0132 Protein Monoclonal Antibody Package >Protein antigen, 3-5 Balb/c mice >Customer to provide protein >From immunization to ascites production and protein A/G purified monoclonal antibody
Code#SA0035 Phospho-Peptide Polyclonal Antibody Package >Phospho specific peptide antigen, 2 rabbits >From peptide synthesis, immunization to antigen affinity purified polyclonal antibody	Code#SA0133 Phospho-Peptide Monoclonal Antibody Package >Phospho specific peptide antigen, 3-5 Balb/c mice >From peptide synthesis, immunization to ascites production and protein A/G purified monoclonal antibody
Code#SA0050 Protein Polyclonal Antibody Package >Protein antigen, 2 rabbits >Customer to provide plasmid or the expression strain >From subcloning, protein expression, immunization, to protein A/G purified polyclonal antibody	Code#SA0150 Protein Monoclonal Antibody Package >Protein antigen, 3-5 Balb/c mice >Customer to provide plasmid or the expression strain >From subcloning, protein expression, immunization to ascites production and protein A/G purified monoclonal antibody
Code#SA0051 Protein Polyclonal Antibody Package >Protein antigen, 2 rabbits >Customer to provide cDNA >From vector construction, subcloning, protein expression, immunization to protein A/G purified polyclonal antibody	Code#SA0151 Protein Monoclonal Antibody Package >Protein antigen, 3-5 Balb/c mice >Customer to provide cDNA >From vector construction, subcloning, protein expression, immunization to ascites production and protein A/G purified antibody
Code#SA0052 Protein Polyclonal Antibody Package >Protein antigen, 2 rabbits >From gene synthesis, subcloning, protein expression, immunization to protein A/G purified polyclonal antibody	Code#SA0152 Protein Monoclonal Antibody Package >Protein antigen, 3-5 Balb/c mice >From gene synthesis, subcloning, protein expression, immunization to ascites production and protein A/G purified monoclonal antibody

CALL NOW FOR MORE INFORMATION

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