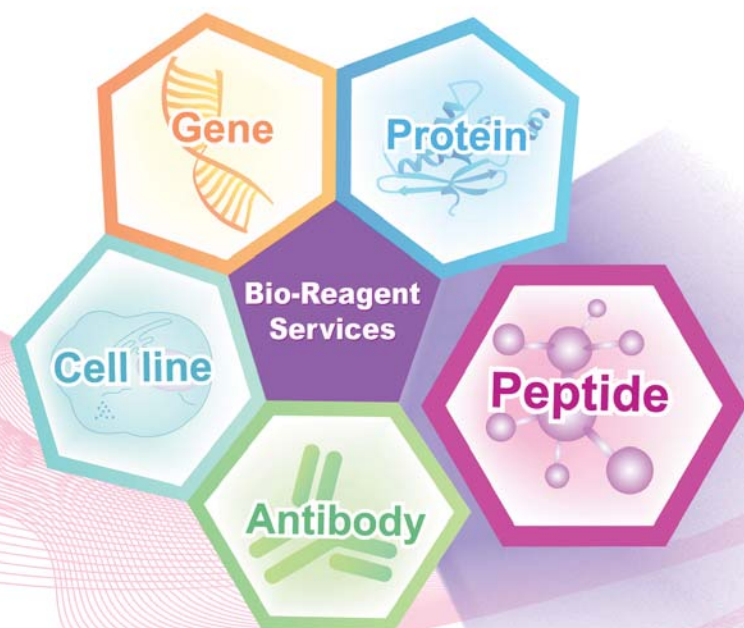


# Bio-Reagent Services



## Custom Peptide Services

FlexPeptide™ Ensures Delivery & Quality!

Standard Peptide Synthesis

Peptide Library Services

cGMP Peptide Synthesis

Mirror-Image Peptide Drug Discovery Services

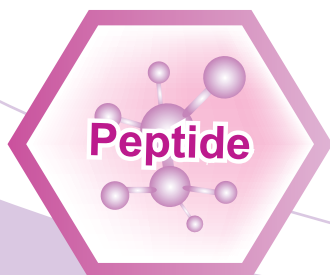
Recombinant Peptide Services



**GenScript**

The Biology CRO

*Your Innovation Partner in Drug Discovery!*



# FlexPeptide™ Ensures Delivery & Quality!

Standard Peptide Synthesis: Peptide length  
up to 200 AA with price starting from \$3.20/AA

## Standard Peptide Synthesis (Cat.No. SC1208)

GenScript produces the highest-quality peptides with success rate well above the industry standard. GenScript's FlexPeptide™ technology reduces cost of synthesis substantially by increasing chemical coupling efficiency and shortening coupling time. Price varies based on different peptide purity levels, better suiting customers' individual needs.

As one of the pioneers in the peptide service industry for life science research, GenScript aggressively continues to develop new technologies. We have a passion for innovation!

### I. FlexPeptide™ Synthesis Technology

Technologies	Functions
Combined Platforms	Flexible choices of LPPS and SPPS, achieved highest synthesis success rate
Microwave Technologies	Synthesize peptides in an efficient and smart way with high yield
Ligation Technology	Long peptides up to <b>200 AA</b> can be synthesized

### II. Competitive Advantages

Features	GenScript	Competitors
High success rate	≥ 95%	≤ 75%
Microwave technology	Yes	No
Flat rates for all peptides	Starting at \$3.20 per amino acid	20% higher
Instant online quotations	Instant	Day (s)
Convenient aliquoting	Yes	No

### III. Extensive Chemical Modifications

GenScript offers a wide range of peptide modification services including multiple phosphorylations, PEGylation, multiple disulfide bonds, MAPs, amidation and acetylation, biotin, FITC, and isotope labeling (<sup>2</sup>H, <sup>15</sup>N, <sup>13</sup>C or both <sup>15</sup>N and <sup>13</sup>C), as well as KLH, BSA, and ovalbumin carrier conjugation, etc.

Peptide Modification Services:			
• Amidation and acetylation	• Biotin and FITC	• Multiple disulfide bonds	• Multiple phosphorylations
• PEGylation	• Isotope labeling	• MAPs application	• KLH, BSA, and ovalbumin

### IV. Price Information

GenScript's standard peptide synthesis (**Cat.No. SC1208**) is competitively priced, starting at **\$3.20** per amino acid. Customers retain all rights to the sequence data and related intellectual property.

Price per amino acid for peptide of 1-30 amino acids (4 mg)					
Purity	Crude	Desalt	> 75%	> 85%	> 98%
<b>GenScript</b>	\$3.20	\$5.80	\$9.80	\$13.00	\$24.00
<b>Vendor 1</b>	\$5.60	\$7.20	\$14.08	\$20.96	\$37.12
<b>Vendor 2</b>	\$8.32	\$10.08	\$20.96	\$26.08	\$55.80

Note:

- 20% or higher discounts for large orders
- We offer free service for aliquoting of less than 5 vials
- Our typical turnaround time is 2–3 weeks
- For the latest promotion information, please visit: [http://www.genscript.com/peptide\\_overview.html](http://www.genscript.com/peptide_overview.html)



## Custom Peptide Library Services (Cat.No. SC1177)

**Peptide libraries** have become a commanding asset in the fast-growing field of proteomics and its related subfields including drug discovery, GPCR ligand screening, protein-protein interaction, functional proteome, nucleic acid binding, enzyme substrate or inhibitor screening, antigen and epitope screening, discovery of signal molecules, peptide/protein cross talking, *etc.*

GenScript has developed a rapid high-throughput parallel peptide synthesis platform equipped with six powerful peptide library generation tools. They can be efficiently used in epitope mapping and sequence optimization.

### Competitive Advantages: FlexPeptide™ technology

Services Include	Screening Tools	Key Features	Delivery Specifications
<ul style="list-style-type: none"><li>• 0.5–2.0 mg each peptide</li><li>• Modifications including biotin, fluorescence, and unnatural amino acid, <i>etc.</i></li><li>• Peptide length of 5–20 mer</li><li>• 2–3 weeks typical turnaround time</li></ul>	<ul style="list-style-type: none"><li>• Overlapping Peptide Library</li><li>• Alanine Scanning Library</li><li>• Truncation Library</li><li>• Positional Scanning Library</li><li>• Random Library</li><li>• Scrambled Library</li></ul>	<ul style="list-style-type: none"><li>• No cross-contamination</li><li>• Optimized chemistries</li><li>• Comprehensive modifications</li><li>• Ready-to-use format</li><li>• Stringent quality control</li></ul>	<ul style="list-style-type: none"><li>• Peptide location table</li><li>• MS and HPLC data</li><li>• Lyophilized peptides in 96-well format</li></ul>

## cGMP Peptide Synthesis (Cat.No. SC1289)

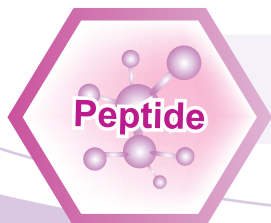
GenScript manufactures high-quality **cGMP peptide** to meet stringent requirements.

We manufacture peptides up to 50 amino acids with quantities ranging from gram to kilogram. Our robust, economical manufacturing processes reduce your development costs. GenScript also can manufacture research-grade and cGMP-grade **cosmetic peptides** to meet each client's exact specifications.

Several synthesis strategies are available based on the sequence and your specific project needs.

### Competitive Advantages

Services Include	Key Features
Advanced FlexPeptide™ technology	Proprietary technology and cost-effective synthesis methods Peptide modifications Batch size from <b>gram to kilogram and peptides up to 50 AA</b> Cost-efficient synthesis methods
Proven track records	Fully equipped cGMP facility Advanced testing techniques Strict raw materials screening
Full support for FDA submissions	cGMP peptide applications Comprehensive document package Complete confidentiality
Customized solutions	Personalized attention to projects of all sizes Designated project coordinator Priced for any budget



# FlexPeptide™ Ensures Delivery & Quality!

cGMP Peptide: Up to kilograms can be synthesized

## Mirror-Image Peptide Drug Discovery Services (Cat.No. SC1211)

GenScript constructs libraries with natural L-peptides, which are easily amendable. These libraries are then screened with synthetic mirror-image D-forms of the target proteins to identify potent leads that can guide the synthesis of their mirror-image D-peptides.

### Competitive Advantages

Services Include	Delivery Specifications
Synthesis and purification of D-enantiomers of target protein	Chemically synthesized and purified D-enantiomers of the target protein
Synthesis and screening of L-peptide libraries	Libraries of chemically synthesized L-peptides
Construction and screening of L-peptide phage display libraries	Libraries of L-peptide phage display
Synthesis of D-enantiomers of isolated peptide leads	D-enantiomers of the isolated L-peptide leads
	Functional characterization data of the leads (if applicable)
	QC reports

## Custom Recombinant Peptide Services (Cat.No. SC1082)

Due to the fact that long peptides (> 150 residues) or complicated peptides (multiple disulfide bonds) are prohibitively expensive to synthesize chemically. GenScript has developed a proprietary **recombinant peptide** system that complements our standard chemical peptide synthesis service. The powerful combination of these two-protocol allows GenScript to provide our customers with any peptide of any length on any scale.

### Competitive Advantages

Services Include	Key Features
<ul style="list-style-type: none"><li>Any length</li><li>Any sequence</li><li>Any scale</li></ul>	<ul style="list-style-type: none"><li>Superior precision</li><li>Outstanding procedure</li><li>Scalable system</li><li>Low cost</li><li>Batch-to-Batch consistency</li></ul>

## Recommended Purity Levels

GenScript proposes a range of different purity levels to help you make the right choice for your application. We offer four levels of purity for the custom peptide synthesis services.

Recommended Purity Levels	
<ul style="list-style-type: none"><li>Immunograde peptide (peptide purity &gt; 70%)</li><li>High purity grade peptide (peptide purity &gt; 95%)</li></ul>	<ul style="list-style-type: none"><li>Biochemistry grade peptide (peptide purity &gt; 85%)</li><li>Industrial grade peptide (peptide purity &gt; 98%)</li></ul>

CALL NOW FOR MORE INFORMATION  
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