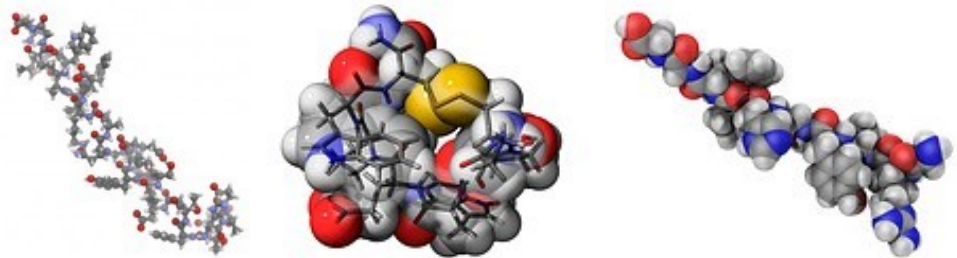


Peptide Synthesis

GeneCust



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Peptide Synthesis

Leading Supplier

GeneCust is Your Provider for High Quality Custom Peptides.

With highly skilled and committed personnel and the best lab equipment, we are able to synthesize almost all kinds of peptides to meet your biggest needs.

Using state-of-the-art solid phase technology (Fmoc-chemistry) synthesis is performed with fully-automated synthesizers. To guarantee highest quality, your peptides are purified and analyzed by HPLC (if requested) and checked by mass spectrometry analysis.

Quantities from 2 mg up to kg.

Widest range of purification levels on the market.

Crude and desalted peptides for high-throughput screening (e.g. preliminary screening)

>70%: antigens for antibody production

>75%: ligands for affinity purification, in enzyme substrate studies, epitope mapping

>80%: Peptide blocking studies (non-quantitative) ,Protein electrophoresis applications

>85%: immunological applications, polyclonal antibody production and non sensitive screening, peptide arrays

>90%: SAR studies, bioassays

>95%: In vitro bioassays such as ELISA, enzymology, biological activity

>98%: Structural studies such as Crystallography, NMR or sensitive bioassays.

>99%: cGMP peptides for drug studies, peptides industry such as cosmetics

Competitive Prices

Price per amino acid

Amount	Crude	Desalted	>70%	>75%	>80%	>85%	>90%	>95%	>98%	>99%
Min. fee	30 €	35 €	40 €	45 €	50 €	55 €	60 €	65 €	85 €	100 €
2 mg	2,77 €	3,47 €	4,85 €	5,55 €	6,24 €	6,94 €	8,32 €	9,71 €	12,49 €	14,76 €
5 mg	3,12 €	3,82 €	5,55 €	6,17 €	7,28 €	8,46 €	10,12 €	10,68 €	15,19 €	16,13 €
10 mg	3,47 €	4,30 €	6,59 €	7,28 €	8,46 €	9,57 €	11,24 €	12,35 €	17,41 €	18,56 €
15 mg	3,68 €	4,51 €	7,28 €	8,19 €	9,44 €	10,68 €	12,70 €	14,08 €	19,98 €	21,30 €
20 mg	3,82 €	4,72 €	8,11 €	9,02 €	10,40 €	11,79 €	14,08 €	15,74 €	22,47 €	23,83 €
25 mg	4,10 €	4,99 €	8,81 €	9,84 €	11,24 €	12,70 €	15,19 €	17,13 €	23,93 €	25,82 €
30 mg	4,30 €	5,34 €	9,64 €	10,68 €	12,14 €	13,46 €	16,30 €	18,45 €	25,31 €	27,94 €
40 mg	4,72 €	5,55 €	10,40 €	11,58 €	13,24 €	14,91 €	17,41 €	19,64 €	27,26 €	29,52 €
50 mg	4,99 €	5,97 €	11,10 €	12,35 €	14,36 €	16,30 €	18,51 €	20,81 €	29,20 €	31,31 €
100 mg	6,17 €	7,07 €	14,71 €	16,30 €	18,51 €	20,81 €	25,31 €	28,09 €	39,32 €	42,18 €
200 mg	7,84 €	9,02 €	20,25 €	22,47 €	24,69 €	26,98 €	32,60 €	36,55 €	54,52 €	55,03 €
500 mg	10,68 €	12,35 €	27,81 €	30,93 €	34,05 €	37,11 €	43,28 €	49,45 €	73,04 €	74,22 €
1 g	16,86 €	19,56 €	43,83 €	48,69 €	53,47 €	58,33 €	69,99 €	77,82 €	116,59 €	116,92 €
2 g	24,02 €	27,78 €	62,19 €	69,18 €	75,99 €	82,81 €	99,30 €	110,41 €	165,25 €	198,76 €
3 g	31,08 €	35,96 €	80,49 €	89,53 €	98,35 €	107,15 €	128,49 €	142,88 €	213,84 €	257,22 €
4 g	38,14 €	44,12 €	98,78 €	109,87 €	120,69 €	131,51 €	157,70 €	175,35 €	262,45 €	315,67 €
5 g	42,38 €	49,02 €	109,75 €	122,08 €	134,10 €	146,12 €	175,22 €	194,83 €	291,61 €	350,75 €

Modifications

More than 700 modifications available.
Please download Excel file or send us your request by email.

Storage of freeze-dried peptides

Peptides are generally preserved at -20°C , which allows conservation over several years. Before opening, leave a few moments the bottle at ambient temperature in order to avoid the problems of condensation, then close again this last immediately after taking away in order to ensure the best conservation of peptide. Peptides containing of Gln and Asn are likely of deamination and must be stored with -70°C . Peptides containing Gln at end N can become cyclic in pyroglutamate in diluted acid conditions.

For peptides sensitive to oxidation: containing Cysteines, Methionines or Tryptophans. Use deaerated water (splashing of nitrogen, helium or argon). They must be stored in a freeze-dried state or -70°C if they must be in solution. Avoid a setting in basic solution or in the DMSO for peptides containing of Cysteines or Methionines (Thiol oxidation).

Peptides dissolution

Finding the ideal peptide solubility for a given research process is a serious challenge since improper solubilization can result in loss of peptide or failure of the experiment. The steps outlined below provides you with a method to perform a solubility test for determining the best solvent for a synthetic peptide. It is best to test it by dissolving a minute amount of peptide, rather than the entire sample.

As a general rule, peptides should first be dissolved in distilled, sterile water, particularly peptides of fewer than five residues. For individual peptides, conditions are chosen for optimum solubility based on the given peptide sequence.

Before dissolving your peptide, please read the recommendations below and perform a solubility test :

- Assign a value of -1 to each acidic residue. The acidic residues are Asp (D), Glu (E), and the C-terminal $-\text{COOH}$. Assign a value of +1 to each basic residue. The basic residues are Arg (R), Lys (K), His (H), and the N-terminal $-\text{NH}_2$. Calculate the overall charge of the peptide.

- If the overall charge of the peptide is positive, try to dissolve the peptide in water. If the peptide cannot be dissolved, try 10% to 30% acetic acid solution. If the peptide still does not dissolve, add TFA ($< 50 \mu\text{l}$) to solubilize the peptide and dilute to the desired concentration.

- If the overall charge of the peptide is negative, try to dissolve the peptide in water. If the peptide does not dissolve, add NH_4OH ($< 50 \mu\text{l}$) and dilute to the desired concentration. If the peptide contains Cys, then do not use basic solutions to dissolve it. Try the method listed below.

- If the overall charge of the peptide is zero, you need to add some organic solvents. At first, try to add some acetonitrile, methanol, or isopropanol. For very hydrophobic peptides, try dissolving the peptide in a very small amount of DMSO, and dilute with water to the desired concentration. For Cys-containing peptides, use DMF instead of DMSO. For peptides that tend to aggregate, add 6 M guanidine $\cdot\text{HCl}$ or 8 M urea, and then proceed with the necessary dilutions.

Note:

1. It is recommended that the concentration of the stock solution be around 1-2 mg of peptide per ml of solution. This is dilute enough to minimize the potential precipitation of the peptides during storage, but concentrated enough to take relatively small volumes ($< 100 \mu\text{l}$) of aliquots for the assay, and therefore minimizing the effect of the solvents initially used for solubilization.
2. Lyophilized peptides can be stored long-term at -20°C and are stable for more than 1 year. Once in solution we recommend that you aliquot them into tubes and store at -20°C . It is recommended that peptides containing methionine, cysteine, or tryptophan residues be stored in oxygen-1 atmosphere to avoid oxidation.
3. This guideline is used for catalog peptides whose solubility conditions are not listed.

How to order

Request a quote by email at info@genecust.com.

Give us following informations :

- ◆ Sequence
- ◆ Quantity
- ◆ Purity
- ◆ Modifications

Download Peptide Synthesis Order Form on www.genecust.com

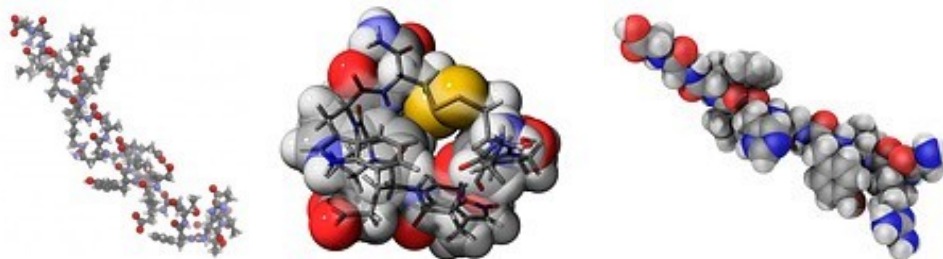
Email Order Form at info@genecust.com

Or send it by fax at +33222449107



Sales Conditions

- An extra cost could be charged if the peptide is difficult to synthesize or to purify.
 - The peptidic sequence is guaranteed
 - Each standard peptide is delivered with its electrospray mass spectrum coupled to HPLC
 - The sequence is kept with strict confidentiality.
 - The standard delivery period is about 2-3 weeks. We plan 4 weeks for long peptides (> 40 AA), and for quantities above 50 mg purified peptides.
 - All peptides sold by GeneCust are designed for research usage only.
 - All peptide orderings are honored if accepted by GeneCust. If the peptide is difficult to synthesize or to purify, GeneCust reserves the right to cancel the order or to produce a product with lower quality. The re-synthesis of the compound will be charged at GeneCust expenses. The price will be reduced if the quantity or the quality of the peptide is lower than those written on the order form; the price will be calculated according to our price list.
- Once the order is done, we consider that the customer accepts that all the peptides prepared with a variation of 5% versus the purity and/or quantity values expected will be automatically shipped and invoiced at the recalculated price.



GeneCust

Custom Services for Research



Thank you for your time.