

# GeneCust

## Custom Services for Research

### Peptides synthesis – Price List

#### Price / Amino-Acid

Amount	Crude	Desalted	>70%	>75%	>80%	>85%	>90%	>95%	>98%	>99%
2 mg	3,26€	4,08€	5,71€	6,53€	7,34€	8,16€	9,79€	11,42€	14,69€	17,37€
5 mg	3,67€	4,49€	6,53€	7,26€	8,57€	9,95€	11,91€	12,57€	17,87€	18,98€
10 mg	4,08€	5,06€	7,75€	8,57€	9,95€	11,26€	13,22€	14,53€	20,48€	21,83€
15 mg	4,33€	5,30€	8,57€	9,63€	11,10€	12,57€	14,94€	16,57€	23,50€	25,06€
20 mg	4,49€	5,55€	9,54€	10,61€	12,24€	13,87€	16,57€	18,52€	26,44€	28,03€
25 mg	4,82€	5,87€	10,36€	11,58€	13,22€	14,94€	17,87€	20,15€	28,15€	30,38€
30 mg	5,06€	6,28€	11,34€	12,57€	14,28€	15,83€	19,18€	21,70€	29,78€	32,87€
40 mg	5,55€	6,53€	12,24€	13,62€	15,58€	17,54€	20,48€	23,10€	32,07€	34,73€
50 mg	5,87€	7,02€	13,06€	14,53€	16,89€	19,18€	21,78€	24,48€	34,35€	36,84€
100 mg	7,26€	8,32€	17,30€	19,18€	21,78€	24,48€	29,78€	33,05€	46,26€	49,62€
200 mg	9,22€	10,61€	23,82€	26,44€	29,05€	31,74€	38,35€	43,00€	64,14€	64,74€
500 mg	12,57€	14,53€	32,72€	36,39€	40,06€	43,66€	50,92€	58,18€	85,93€	87,32€
1 g	19,83€	23,01€	51,57€	57,28€	62,91€	68,62€	82,34€	91,55€	137,17€	137,55€
2 g	28,26€	32,68€	73,17€	81,39€	89,40€	97,42€	116,82€	129,89€	194,41€	233,83€
3 g	36,57€	42,30€	94,69€	105,33€	115,70€	126,06€	151,17€	168,09€	251,58€	302,61€
4 g	44,87€	51,90€	116,21€	129,26€	141,99€	154,72€	185,53€	206,29€	308,76€	371,38€
5 g	49,86€	57,67€	129,12€	143,62€	157,77€	171,90€	206,14€	229,21€	343,07€	412,65€

If length > 30 AA : 20 % overcost

If length > 40 AA : 40 % overcost

If length > 50 AA : 60 % overcost

#### Modifications

Modification	0-49mg	50-499mg	500-1000mg
Acetylation (N-Terminal)	1 AA	1 AA	1 AA
Acetylation (Lys)	1 AA + 68 €	1 AA + 99 €	1 AA + 113 €
Formylation (N-Terminal)	1 AA+ 68 €	1 AA + 99 €	1 AA + 113 €
Fatty acid (N-Terminal)	1 AA+ 68 €	1 AA + 99 €	1 AA + 113 €
Myristic acid (N-Terminal)	1 AA+ 68 €	1 AA + 99 €	1 AA + 113 €
Palmytolyl (N-Terminal)	1 AA+ 68 €	1 AA + 99 €	1 AA + 135 €
Cys(Acm), Cys(tBu)	1 AA+ 68 €	1 AA + 99 €	1 AA + 135 €

Benzyloxycarbonylation (CBZ)	1 AA	1 AA	1 AA
Amidation (C-Terminal)	1 AA	1 AA	1 AA
p-Nitroanilide (pNA, C-Terminal)	1 AA + 117 €	1 AA + 162 €	1 AA + 207 €
AMC ( C-Terminal)	1 AA + 171 €	1 AA + 252 €	1 AA + 351 €
Succinylation (Suc, N-Terminal)	1 AA + 32 €	1 AA + 45 €	1 AA + 63 €
NHS (OSu, C-Terminal)	1 AA + 486 €	1 AA + 630 €	1 AA + 734 €
CMK/FMK (C-Terminal)	1 AA + 486 €	1 AA + 630 €	1 AA + 734 €
KLH	171 € (5-10mg)	270 € (11-20mg)	378 € (21-30mg)
BSA	171 €	257 €	351 €

## Special Amino Acid

Special amino acid	0-49mg	50-499mg	500-1000mg
D-Ile	1 AA + 153 €	1 AA + 225 €	1 AA + 302 €
D-Arg, D-Cys, D-Asp, D-Asn, D-Glu, D-Gln, D-Ser, D-His, D-Thr, D-Trp, D-Lys, D-Tyr, D-Orn, Orn, Abu, Aib, (D)1-Nal, (D)2-Pal, (D)4-Cl-Phe, Cit,Nva, Nle, Hse, Hcy, Pen, Mpa	1 AA + 77 €	1 AA + 113 €	1 AA + 149 €
N-Methyl amino acid (Ala, Phe, Leu, Ile, Val, Gly, Met)	1 AA + 486 €	1 AA + 630 €	1 AA + 734 €
D-Ala, D-Leu, D-Met, D-Pro, D-Val, D-Phe, b-Ala, pGlu, Hyp	1 AA + 36 €	1 AA + 50 €	1 AA + 68 €
Other amino acid	Quoted		
Dinitrobenzoylation (Lys)	1 AA + 171 €	1 AA + 279 €	1 AA + 378 €
Lys(Me <sub>2</sub> )	1 AA + 171 €	1 AA + 252 €	1 AA + 351 €
Phosphorylation (Tyr, Ser, Thr, single site)	1 AA + 171 €	1 AA + 270 €	1 AA + 378 €
Tyr(SO <sub>3</sub> H <sub>2</sub> )	1 AA + 351 €	1 AA + 522 €	1 AA + 698 €
Ser(octanoic acid)	1 AA + 486 €	1 AA + 630 €	1 AA + 351 €

## Fluorescence / Dye Labeling

Fluorescence/Dye Labeling	0-49mg	50-499mg	500-1000mg
Biotin (N-Terminal, Y/N Ahx)	153 €	270 €	378 €
Biotin (Lys in sequence)	279 €	419 €	558 €

<b>Biotin (without Lys in sequence)</b>	1AA + 279 €	1AA + 419 €	1AA + 558 €
<b>FITC/5-FAM (N-Terminal, Y/N Ahx)</b>	176 €	270 €	378 €
<b>Dansyl (N-Terminal, Y/N Ahx)</b>	176 €	257 €	351 €
<b>MCA (N-Terminal)</b>	176 €	270 €	378 €
<b>HYNIC (N-Terminal)</b>	315 €	468 €	630 €
<b>DTPA (N-Terminal)</b>	315 €	468 €	630 €

## Cyclic peptide

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<b>Cyclic peptide</b>	<b>0-49mg</b>	<b>50-499mg</b>	<b>500-1000mg</b>
Disulfide bridge 1 <sup>st</sup>	279 €	419 €	558 €
Disulfide bridge 2 <sup>nd</sup>	558 €	837 €	1116 €
Disulfide bridge 3 <sup>rd</sup>	2790 €	4185 €	5580 €
Amide cyclic (Side chain, end)	837 €	1080 €	1260 €

## Quenched fluorescent peptide

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<b>Quenched fluorescent peptide</b>	<b>0-49mg</b>	<b>50-499mg</b>	<b>500-1000mg</b>
Abz/ Tyr (3-NO <sub>2</sub> )	270 €	396 €	558 €
EDANS or DABCYL	450 €	675 €	900 €

## Multiple Antigenic Peptide System

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<b>Multiple Antigenic Peptide System</b>	<b>0-49mg</b>	<b>50-499mg</b>	<b>500-1000mg</b>
Asymmetric 4 branches	171 €	270 €	378 €
Asymmetric 8 branches	171 €	270 €	378 €

## Aliquoting

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<b>Aliquoting</b>	<b>1,35 € each</b>
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## Storage of freeze-dried peptides

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Peptides are generally preserved at  $-20^{\circ}\text{C}$ , 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  $-70^{\circ}\text{C}$ . Peptides containing Gln at end N can become cyclic in pyroglutamate in diluted acid conditions.

## Solubilization

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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  $-70^{\circ}\text{C}$  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).

## Dissolution

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The solubility of peptides is related to their sequences in amino acid which determine their chemical characteristics. The majority of peptides will be stable in solution during several days with  $4^{\circ}\text{C}$ . Avoid the cycles freezing/defrosting if frozen solutions are used.

## Rules

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1. First of all, try to dissolve peptide in the deionized water and if necessary followed of a sonication.
2. The majority of peptides are nevertheless insoluble in purified water and according to their acid or basic character.  
If the peptides are basics peptides : solubilization in water with acetic acid 10% or 0,1% of TFA.  
If the peptides are acids peptides: solubilization in water with 1% of  $\text{NH}_4\text{OH}$ . The sonication makes it possible to improve solubilization.
3. If the peptides are hydrophobic peptides: to use organic solvents: acetonitrile (5 to 50%) - isopropanol, DMF or DMSO. In the difficult cases, to also use solutions with sodium 1% dodecyl sulphate or urea.
4. Final dilution  
Solubilization obtained, final dilution for use can be carried out with the adequate buffer (by holding account of possible solvents used).

## Sales Conditions

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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 4 weeks. We plan 4-6 weeks for long peptides (> 20 AA), and for quantities above 25 mg purified peptides.
- All peptides sold by GeneCust are designed for research usage only.
- All peptide orderings are honoured if accepted by GeneCust. If the peptide is difficult to synthesize or to purify, GeneCust reserve 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.

## How to order ?

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Send us an email for quote at [info@genecust.com](mailto:info@genecust.com) or [quote@genecust.com](mailto:quote@genecust.com).

Give us the following informations :

- sequence
- quantity
- purity
- modifications