

# Genaxxon BioScience

## Peptide Synthesis

Standard peptide synthesis (prices in Euro) \*

Amount	Immunograde peptides				HPLC purity >70%			
	5 mg	10 mg	20 mg		2 mg	5 mg	10 mg	20 mg
6 AS	75	88	99		99	120	144	204
7 AS	87	102	115		116	140	168	238
8 AS	109	116	131		132	160	192	272
9 AS	121	130	147		149	180	216	306
10 AS	132	144	163		165	200	240	340
11 AS	143	158	179		182	220	264	374
12 AS	154	172	195		198	240	288	408
13 AS	165	186	211		215	260	312	442
14 AS	176	200	227		231	280	336	476
15 AS	187	214	241		248	300	360	510
16 AS	198	228	255		264	320	384	544
17 AS	208	242	269		281	340	408	578
18 AS	218	256	283		297	360	432	612
19 AS	228	270	297		314	380	456	646
20 AS	238	282	311		330	400	480	680
21 AS	248	294	325		347	420	504	714
22 AS	258	306	339		363	440	528	748
23 AS	268	318	353		380	460	552	782
24 AS	278	330	367		396	480	576	816
25 AS	288	342	381		413	500	600	850
Amount	HPLC purity 80% - 90%				HPLC purity 95%			
	2 mg	5 mg	10 mg	20 mg	2 mg	5 mg	10 mg	20 mg
6 AS	129	165	195	258	180	261	336	588
7 AS	151	193	228	301	210	305	392	686
8 AS	172	220	260	344	240	348	448	784
9 AS	194	248	293	387	270	392	504	882
10 AS	215	275	325	430	300	435	560	980
11 AS	237	303	358	473	330	479	616	1078
12 AS	258	330	390	516	360	522	672	1176
13 AS	280	358	423	559	390	566	728	1274
14 AS	301	385	455	602	420	609	784	1372
15 AS	323	413	488	645	450	653	840	1470
16 AS	344	440	520	688	480	696	896	1568
17 AS	366	468	553	731	510	740	952	1666
18 AS	387	495	585	774	540	783	1008	1764
19 AS	409	523	618	817	570	827	1064	1862
20 AS	430	550	650	860	600	870	1120	1960
21 AS	452	578	683	903	630	914	1176	2058
22 AS	473	605	715	946	660	957	1232	2156
23 AS	495	633	748	989	690	1001	1288	2254
24 AS	516	660	780	1032	720	1044	1344	2352
25 AS	538	688	813	1075	750	1088	1400	2450

**Peptides with 26 - 40 amino acids (prices in Euro per AA) \***

Amount	2 mg	5 mg	10 mg	20 mg
purity >70%	19.30	24.30	29.00	40.30
purity >80%	25.10	33.10	39.00	50.00
purity >95%	35.00	49.00	61.00	113.20
purity >97%	81.20	96.40	109.00	188.00

Prices are just rough estimations to enable customers to calculate the prices roughly. Please deliver peptide sequence to Genaxxon. We will make you an exact offer.

Please inquire also for other amounts, lengths, purities or modifications ([info@genaxxon.com](mailto:info@genaxxon.com), [www.genaxxon.com](http://www.genaxxon.com)).

All peptides of purity 70% and higher include complete documentation with analytical HPLC and ESI-MS. Our peptides will be delivered with free COOH and NH<sub>2</sub> termini. If required, we will perform **N-terminal acetylation** or **C-terminal amidation** free of charge.

We will deliver your peptides in aliquots on request (> 1 mg). Each additional aliquot will be charged with 2,-- EUR per aliquot.

**Synthesis of modified peptides**

- **Multiple Antigen Synthesis (MAP)** based on PEG-resins. These MAPs can be used without coupling/conjugation to a carrier for immunisation purposes.
- **Implementation of rare AS** into synthetic peptide, e.g. D-amino acids, N-methyl amino acids, Hydroxyprolin, phosphorylated amino acids (Tyr, Thr, Ser).
- **N-terminal modification of peptides** e.g. by acetylation, palmitolation, implementation of fluorescent dyes, biotinylation, prolongation by spacer molecules (e.g. Ahx, or β-Ala), implementation of special groups for Jod125 labelling or implementation of linkers for the selective coupling of peptides to carrier proteins.

**Prices (Euro) per modification and peptid**

modification	at:	2 mg	5 mg	10 mg	20 mg
Biotin	N-terminus	23.00	23.00	23.00	46.00
	C-terminus	160.00	160.00	160.00	187.00
Fluorescein	N-terminus	45.50	45.50	45.50	90.00
	C-terminus	185.00	185.00	185.00	252.00
Phosphorylation	Ser, Tyr or Thr	135.00	205.00	205.00	245.00
Sulfurylation	Ser, Tyr or Thr	152.00	235.00	235.00	305.00
Cyclisation	---	271.00	408.00	408.00	545.00
Spacer (Ahx)	N-terminus				
Mca-Linker	N-terminus				

Besides above mentioned standard modifications, Genaxxon BioScience offers a large variety of other modified and dye labelled peptides. Please contact your Genaxxon BioScience team.

Please tell us your specific needs. We will consult you and prepare a taylor made quotation.

## Protein Analysis

### **Amino Acid Analysis**

Product	Cat#	Pack size	Price (Euro)
Amino acid analysis of given sample (total hydrolysis)	P2145.0001	Set-up	141,75
Amino acid analysis of given sample (without total hydrolysis)	P2145.0002	Set-up	126,00
Amino acid analysis from animal food	P2145.0003	Set-up	131,25
Amino acid analysis from serum sample	P2145.0004	Set-up	126,00
Amino acid analysis from urine sample	P2145.0005	Set-up	131,25

#### Service description

The amino acid analysis service encloses the total hydrolysis of a given sample, the chemical derivatisation of the free amino acids (either produced by the acid hydrolysis or of already free amino acids), the separation of the derivatised amino acids by reversed phase HPLC and subsequent interpretation of the result.

In general pure samples are required. The presence of salts, buffers, or detergents are deleterious. Amines (primary or secondary) will react with the carbamate, adversely affecting results. While salts, especially strong buffer substances can alter the pH of the sample causing the hydrolysis/derivatisation to be incomplete or simply fail. Additionally, significant levels of glycerol or carbohydrates are problematic - the glycerol is nonvolatile and attracts moisture (acid) and carbohydrates char, decomposing to ash taking the sample with them. If it is impossible to clean up your sample, we can attempt other desalting methods, such as precipitation or reverse phase HPLC cleanup.

For analysis we do need 1.0 µg to 5.0 µg (20 pmols to 100 pmols) protein, based on an average molecular weight of 25,000 Da. For peptides, the requirement is much smaller - 0.2 µg to 1.0 µg (200 pmols to 1,000 pmols).

Delivery times for results are in the range of about 7 working days, but may vary due to demand.

Samples can be send by post or parcel service to Genaxxon BioScience GmbH. Samples can be dry or in liquid (most preferable in low salt buffer or better in demineralised water). Please make sure that your sample is packed safely and can not break or leak.

Please support us with information about the composition of your sample(s) to enable us to act accordingly.

Genaxxon BioScience GmbH

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