

metabion

PROTEOMICS
SERVICES

Price List EURO 



1. Custom Peptides

Applications of synthetic peptides

Peptides are playing a key role in biochemistry, pharmacology and neurobiology for structural and functional studies. They are also important for a variety of biological and clinical applications. This includes the production of monoclonal and polyclonal antibodies for immunological research, the study of antigen-antibody interactions, epitope mapping, structure-function studies, peptidomimetics, receptor studies, and drug design.

Purity

Peptides are purified by Reversed Phase HPLC (RP-HPLC). HPLC purification permits the removal of truncated sequences, scavengers, and TFA (Trifluoroacetic Acid) used to deprotect and cleave the peptide from the resin, which could otherwise be extremely toxic and interfere with the expected activity of the peptide.

We offer three different degrees of purity:

- Crude peptides for generation of peptide libraries and for preliminary experimental screening
- 70% for immunological purposes
- 95% for biological activity studies *in vitro*, animal studies, and for biochemical reactions, such as binding experiments or receptor studies.

Scales/Yields

Upon request, we offer small, medium, and large scale synthesis of peptides. Our small scale service generally provides 2-5 mg of pure peptide, which is sufficient for immunological studies or for antibody production. In case your application requires higher quantities, our routine medium or large scale service can provide you with 10, 20, 50 or 100 mg of peptide, respectively. Larger quantities, yielding approximately from 1 gram, are also available upon request (bulk synthesis).

Storage and handling

Our peptides are delivered lyophilized in a sealed glass vial. For better stability they should be stored at -20°C. Peptides without cysteine residues and stored lyophilized at -20°C are stable for years. Peptides containing sensitive amino acids like cysteine (C), methionine (M), and tryptophane (W) should be stored lyophilized at -20°C in an inert gas environment to avoid oxidation. Peptides in solution are stable for 1-2 weeks at +4°C, for 3-4 months at -20°C, and for 1 year at -80°C. Repeated freeze and thaw cycles should be avoided. If you have to weigh the peptides, do it quickly and in a glass vial, because they are often very hygroscopic and absorb water rapidly. Make sure that the peptide is at room temperature before weighing. It is a good idea to test the solubility of your peptide on a small sample and then try to resuspend the peptide in de-ionized water. If it is insoluble, add 0,1% NH₄OH for peptides with a negative charge and 0,1% TFA for peptides with a positive charge. If the peptide is very hydrophobic, start to dissolve the peptide with small quantities of DMSO and then add the buffer you will subsequently use in order to reach the desired concentration. For difficult cases, repeated sonication (30-60 s) may help with solubilization.

Quality Control/Documentation

Our standard QC methods performed to assure the integrity and purity of the delivered products are

- MALDI-ToF mass spectrometry (verification of peptide composition)
- Analytical RP-HPLC (Illustration of peptide purity)

Supporting documents of each product delivered include

- Certificate of Analysis
- MALDI-ToF spectrum
- HPLC chromatogram

Want to Order?

Order Online:

www.mymetabion.com

Order by Email:

peptides@mymetabion.com

Order by Fax:

+49 (0)89 899 363 11

Have Questions?

Contact a member

of our Customer Service Team:

Tel.: +49 (0)89 899 363 0

Fax: +49 (0)89 899 363 11

email: info@mymetabion.com or customerservice@metabion.com

Delivery time

For most peptides and arrays, our typical turnaround time is about 4 weeks. Delivery time may vary between 3-5 weeks depending on peptide length, scale and difficulty. We will indicate the expected delivery with order confirmation. In case of any delays due to unforeseen adversities, we will inform you accordingly.



For more information visit our homepage

www.mymetabion.com

Custom Peptides Price List

Prices become valid from August 1st, 2010.

Linear Peptides (Prices per aa)

Cat #	Purity	Description Peptides length aa*	Prices in €					
			Quantity					
			2 mg	5 mg	10 mg	20 mg	50 mg	100 mg
	Crude	8-25 aa	//	//	€ 10,00	€ 12,00	€ 15,00	€ 25,00
					OP-2001	OP-2002	OP-2003	OP-2004
	> 70%	8-25 aa	€ 15,00	€ 15,00	€ 20,00	€ 22,00	€ 28,00	€ 40,00
					OP-2005	OP-2006	OP-2007	OP-2008
	> 95%	8-25 aa	€ 20,00	€ 25,00	€ 35,00	€ 40,00	€ 55,00	€ 80,00
					OP-2010	OP-2011	OP-2012	OP-2013
					OP-2014	OP-2015		

* < 8 aa, please inquire, quote upon sequence inspection • * > 25 aa, please inquire, quote upon sequence inspection • Larger quantities, please inquire.

Modifications (Prices per modification)

Cat #	Description	Prices in €					
		Quantity					
		2 mg	5 mg	10 mg	20 mg	50 mg	100 mg
OP-2016	N-terminal Acetylation (Acetyl)	free	free	free	free	free	free
OP-2017	C-terminal Amidation (Amide)	free	free	free	free	free	free
OP-2018	N-terminal Biotin	25,00	45,00	65,00	95,00	145,00	225,00
OP-2019	C-terminal Lys-Biotin (K-Bio)	90,00	140,00	210,00	290,00	435,00	650,00
OP-2020	N-terminal 5-6 FAM	35,00	55,00	80,00	130,00	195,00	265,00
OP-2021	N-terminal 5-6 TAMRA	145,00	265,00	395,00	545,00	725,00	925,00
OP-2022	Spacer (linker) 8-amino-3,6-dioxo octanoic acid / amino hexanoic acid	45,00	65,00	95,00	145,00	245,00	345,00
OP-2023	Conjugation to a Carrier Protein (KLH, BSA, OVA)	//	165,00	250,00	360,00	530,00	800,00
OP-2024	2/4-branched MAP resin	//	195,00	295,00	430,00	650,00	975,00
OP-2025	internal Cys-Cys Cyclisation	165,00	245,00	370,00	550,00	830,00	1.240,00
OP-2026	internal Ser/Tyr/Thr Phosphorylation (per aa)	65,00	95,00	145,00	215,00	320,00	480,00
OP-2306	D-Isoleucine (I) price per a/a	200,00	250,00	350,00	500,00	700,00	950,00
OP-2307	D-Arginine/D-Asparagine/ D-Glutamine-D/Tryptophan-D/Tyrosine (R-N-Q-W-Y) price per a/a	40,00	50,00	70,00	100,00	140,00	190,00
OP-2308	All remaining D a/a price per a/a	30,00	38,00	52,00	75,00	105,00	142,00

Other modifications and quantities, please inquire.

Peptide Arrays

You can select from the following options:

- **Purified Peptide Libraries* – puriflex70**
24, 48 or 96 peptides – 2 mg each – 8-15 aa – purity > 70% – HPLC and MS spectrum of all peptides
- **Crude Peptide Library* – crude48**
48 crude peptides – 2 mg each – 8-15 aa – HPLC and MS spectrum of all or of 5 randomly selected peptides, or HPLC of 5 randomly selected peptides & MS spectrum of all peptides
- **Crude Peptide Library* – crude96**
96 crude peptides – 2 mg each – 8-15 aa – HPLC and MS spectrum of all or of 5 randomly selected peptides, or HPLC of 5 randomly selected peptides & MS spectrum of all peptides



quality is primary
trust is principal

The Peptide Array Tool has been designed for high throughput screening to study epitope mapping, peptide-protein interaction, protein scanning and characterization, etc.. We offer 24, 48 or 96 peptides synthesized in parallel and delivered as lyophilised products in individually labelled tubes. The peptides are C-terminal amidated, cleaved, deprotected and analyzed. They are compatible with all current assay systems. Purity options are either crude or >70%. Peptides should all fall within a range of 8-15 residues.

Cat #	Description	Prices in €
Purified Peptide Libraries* – puriflex70		
OP-2029	puriflex3/24 (HPLC & MALDI spec of all 24 peptides)	2.165,00
OP-2030	puriflex3/48 (HPLC & MALDI spec of all 48 peptides)	3.500,00
OP-2031	puriflex3/96 (HPLC & MALDI spec of all 96 peptides)	6.165,00
Crude Peptide Library* – crude48		
OP-2032	crude48/1 (HPLC & MALDI spec of 5 statistically significant peptides)	1.300,00
OP-2033	crude48/2 (HPLC of 5 statistically significant peptides & MALDI spec of all peptides)	1.680,00
OP-2034	crude48/3 (HPLC & MALDI spec of all peptides)	2.250,00
Crude Peptide Library* – crude96		
OP-2035	crude96/1 (HPLC & MALDI spec of 5 statistically significant peptides)	1.680,00
OP-2036	crude96/2 (HPLC of 5 statistically significant peptides & MALDI spec of all peptides)	2.430,00
OP-2037	crude96/3 (HPLC & MALDI spec of all peptides)	3.550,00
Setup for non amidated peptides (-COOH free)		
OP-2038	setup24 *For non amidated peptides (-COOH free)	100,00
OP-2039	setup48 *For non amidated peptides (-COOH free)	150,00
OP-2040	setup96 *For non amidated peptides (-COOH free)	275,00

* Also available non amidated (-COOH free); peptide purities may vary from 50-95%. For very hydrophobic peptides yields may be very low. We do not guarantee the purity or success of any one peptide on the same synthesis.

2. Custom Antibodies

Polyclonal Antibodies (PABs)



We provide an efficient service for the production of polyclonal antibodies from rabbit, mouse and rat.

The service is offered in three different formats, based on the antigen used for immunization:

- Custom polyclonal antibodies against synthetic peptides
- Custom polyclonal antibodies against recombinant proteins (his-tag fusion)
- Custom polyclonal antibodies against other proteins or antigens supplied by the customer

We also offer additional services:

- Free antigenicity analysis
- Antibody purification by affinity chromatography
- Antibody labeling
- Immunometric assay

Delivery time

Approximately 3 month depending on the complexity of requested services.

Want to Order?

Order Online:
www.mymetabion.com

Order by Email:
antibodies@mymetabion.com

Order by Fax:
+49 (0)89 899 363 11

Monoclonal Antibodies (MABs)

Our monoclonal antibody production service is using mice immunized with antigens either provided by the customer or produced by us (recombinant proteins - synthetic peptides). On average 1-2 mg of protein are necessary for immunization and analysis.

This service includes the generation of monoclonal antibodies through somatic fusion and the possibility to choose either 2 or 4 hybridoma clones after the first screening.

We can provide both, the cell lines and the purified MABs. Upon request a cell banking service is available for the storage of the desired clones.

Delivery time

Approximately 7-10 months depending on the complexity of requested services. Close interaction with the customer at any step of production is the essence.

Have Questions?

Contact a member
of our Customer Service Team:

Tel.: +49 (0)89 899 363 0
Fax: +49 (0)89 899 363 11
email: info@mymetabion.com or customerservice@metabion.com

Don't risk your experiment ...



trust metabion

Custom Antibodies Price List

Prices become valid from August 1st, 2010.

Polyclonal Antibodies (PABs)

Cat #	Description	Prices in €
Polyclonal Antibodies (PAB) - Immunization of 2 rabbits		
PAB-2101	PAB against a customer delivered protein	850,00
PAB-2102	PAB against a recombinant protein, incl. gene-cloning, protein expression and purification	1980,00
PAB-2103	Additional production of His-Tag protein (2 mg)	450,00
PAB-2104	Additional production of His-Tag protein (5 mg)	670,00
PAB-2105	PAB against 1 synthetic peptide (15mer*), incl. peptide synthesis and carrier conjugation	1200,00
PAB-2106	PAB against 2 synthetic peptides (15mers*), incl. peptide synthesis and carrier conjugation	1500,00
PAB-2107	PAB against 3 synthetic peptides (15mers*), incl. peptide synthesis and carrier conjugation	1800,00
PAB-2108	PAB against MAP (4 or 8 branched 15mer*)	1300,00
PAB-2109	PAB against mix of 2 MAP (4 or 8 branched 15mer*)	1700,00
PAB-2110	PAB against mix of 3 MAP (4 or 8 branched 15mer*)	2100,00
PAB-2111	PAB against 1 phospho synthetic peptide (15 mer*), incl. phospho and non-phospho peptide synthesis, carrier conjugation, immunoabsorption and affinity purification	2200,00
PAB-2117	* each additional aminoacid residue over 15	20,00
PAB-2118	Additional rabbit	410,00
PAB-2119	Analytical serum for testing	70,00
Polyclonal Antibodies (PAB) - Immunization of 6 mice		
PABM-2120	PAB against a custom delivered protein	990,00
PABM-2121	PAB against a recombinant protein, incl. gene-cloning, protein expression and purification	2180,00
PABM-2122	PAB against 1 synthetic peptide (15mer*), incl. peptide synthesis and carrier conjugation	1400,00
Antibody purification (QC by ELISA testing)		
AC-2123	Preparation of 0.5 g affinity column (CNBr Sepharose - peptide/protein)	100,00
AC-2124	Single purification of 40 ml of serum by immunoaffinity chromatography	400,00
AC-2125	Purification of 80 ml of serum by immunoaffinity chromatography (each rabbit serum purified separately)	500,00
AC-2126	Single purification of 40 ml of serum by protein A or G affinity chromatography	520,00
AC-2127	Purification of 80 ml of serum by protein A or G affinity chromatography (each rabbit serum purified separately)	700,00
AC-2128	Single purification of 40 ml of serum by affinity against recombinant protein	550,00
AC-2129	Purification of 80 ml of serum by affinity against recombinant protein (each rabbit serum purified separately)	650,00
Antibody Labeling		
AL-2130	1 mg purified antibody labeled with FITC	280,00
AL-2131	1 mg purified antibody labeled with Biotin	280,00

Monoclonal Antibodies (MABs)

Cat #	Description	Prices in €
MAB-2139	Phase I Immunization of 4 mice	600,00
MAB-2140	Phase I Immunization of 4 mice against a recombinant protein, including gene-cloning, protein expression and protein purification	1.650,00
MAB-2144	Phase I Immunization of 4 mice against 1 synthetic peptide (15 mer*), including synthesis and carrier conjugation (OVA for immunization and KLH for screening)	1.150,00
MAB-2141	Phase II Spleen fusion	2.850,00
MAB-2135	Phase III Cloning and subcloning (2 clones)	2.000,00
MAB-2142	Phase III Cloning of each additional clone	500,00
MAB-2137	Production and purification of 0,5-2 mg of each MAb in cell culture	1.000,00
MAB-2143	Clone Storage / 6 months (3 vials per clone)	125,00

For more information visit our homepage

www.mymetabion.com

3. Analytical Services

Due to its importance in scientific research and in the quality control of synthetic peptides and/or recombinant proteins, the structural analysis of peptides and proteins constitutes one of the most relevant topics in biotechnology. Hence, we offer a wide range of advanced technical services based on the integration of classical biochemical techniques, such as N-terminal protein sequencing, with advanced mass spectrometry procedures.

The sequence of the first 10-20 residues at the N-terminal of a protein gives sufficient information to allow the following:

- assigning the site of proteolytic maturation
- synthesizing oligonucleotide probes for specific cDNA isolation
- identifying the protein in databases
- aligning the protein against DNA sequences
- assessing the purity of the peptide/protein

Additionally, the determination of the accurate molecular weight of a peptide or a protein gives the following analytical information:

- definition of the purity of the peptide/protein
- quality control for peptide synthesis
- confirmation of the protein sequence
- control of the structure of recombinant proteins
- characterization of genetic variants or mutant proteins which show amino acid substitutions or modifications
- definition of the proteolytic processing of the protein, both at the N- and C-terminus
- identification of post-translational maturation events or chemically induced changes
- identification of the glycosylation pattern of glycoproteins

Want to Order?

Order Online:
www.mymetabion.com

Order by Email:
info@mymetabion.com

Order by Fax:
+49 (0)89 899 363 11

Have Questions?

Contact a member
of our Customer Service Team:

Tel.: +49 (0)89 899 363 0
Fax: +49 (0)89 899 363 11
email: info@mymetabion.com or customerservice@metabion.com

Analysis of proteins/peptides/sugars Price List

Prices become valid from August 1st, 2010.

Cat #	Description	Prices in €
PRS-2201	Setup for protein/peptide sequencing	140,00
PRS-2202	N-terminal sequencing of protein/peptides on PVDF per aa	80,00
PRS-2203	SDS-PAGE separation of proteins and protein transfer on PVDF membranes	500,00
PRS-2204	Sample processing for internal sequencing (enzymatic hydrolysis, HPLC separation of peptides mixture, MALDI-ToF analysis of each fraction)	600,00
PRS-2205	Peptide sequencing by tandem MS (peptide separation by HPLC, fragmentation experiments by MS/MS techniques)	450,00
PRS-2206	Mass spectrometry analysis of peptides (sample purification and MALDI-ToF)	100,00
PRS-2207	Mass spectrometry analysis of proteins (sample purification and ESMS analysis)	180,00
PRS-2208	Complete peptide mapping (pre-treatment either in solution or in gel, single/double enzymatic hydrolysis, MALDI-ToF mapping)	1.400,00
PRS-2209	Identification of protein by MALDI-ToF mapping (protein digestion, MALDI-ToF analysis of peptides mixture, database search)	850,00
PRS-2210	Identification of protein (>=10 spots) by MALDI-ToF mapping (protein digestion, MALDI-ToF analysis of peptides mixture, database search)	550,00
PRS-2211	Identification of proteins by LCMS/MS (protein digestion, MALDI-ToF analysis of peptides mixture, LCMS/MS analysis, database search)	1.300,00
PRS-2212	Sugar analysis (Determination of the sugar composition in glycoproteins by chemical hydrolysis, derivatization and GCMS analysis)	600,00
PRS-2213	Analysis of glycoproteins (protein digestion, enzymatic stripping of glycoforms, MALDI-MS analysis of glycoforms)	600,00
PRS-2214	GCMS analysis (sample pre-treatment, including derivatization and GCMS analysis)	500,00



Shipping

All products are shipped using only the most reliable freight forwarders to ensure fast and safe delivery of your order. For orders exceeding the "Free shipping order value" shipping is free of charge.

Shipping Prices in €

Country	Price	Free shipping order value
Austria	8,00	300,00
Belgium	15,00	300,00
Canada	25,00	500,00
China	30,00	600,00
Croatia	28,00	500,00
Cyprus	25,00	500,00
Czech Republic	25,00	500,00
Denmark	10,00	400,00
Egypt	30,00	600,00
Estonia	27,00	500,00
Finland	18,00	400,00
France	15,00	300,00
Germany	3,75	125,00
Greece	19,00	400,00
Hungary	25,00	500,00
India	30,00	600,00
Ireland	19,00	400,00
Israel	30,00	600,00
Italy	18,00	400,00
Latvia	27,00	500,00
Lithuania	27,00	500,00
Mexico	25,00	500,00
Netherlands	15,00	300,00

Country	Price	Free shipping order value
Norway	20,00	400,00
Oman	30,00	600,00
Philippines	30,00	600,00
Poland	28,00	500,00
Portugal	20,00	400,00
Russia	30,00	600,00
Saudi Arabia	30,00	600,00
Serbia	30,00	600,00
Singapore	28,00	600,00
Slovakia	25,00	500,00
Slovenia	25,00	500,00
South Africa	30,00	600,00
South America	30,00	600,00
South Korea	30,00	600,00
Spain	20,00	400,00
Sweden	19,00	400,00
Switzerland	20,00	400,00
Turkey	25,00	500,00
Ukraine	30,00	600,00
United Arab Emirates	30,00	600,00
United Kingdom*	13,00*	250,00*
United States of America	25,00	500,00

* If the order exceeds 125 EUR, shipping cost is 6,50 EUR

For shipping rates to other countries, please contact us.

**Perfecting excellence
in quality and service
for more than 10 years.**

**For more information visit our homepage
www.mymetabion.com**



quality is primary
trust is principal

metabion international AG

Lena-Christ-Str. 44/1
D-82152 Planegg/Martinsried • Germany
Tel.: +49 (0)89 899 363-0
Fax: +49 (0)89 899 363-11
email: info@mymetabion.com

metabion

