Apamin (Honey Bee, Apis Melifera) Peptide – Synthetic Peptide, ~95%. Purified by HPLC. Purity

PRODUCT OVERVIEW

Product Name	Apamin, Peptide
Full Product Name	Apamin (honey bee, Apis melifera)
Product Gene Name	Apamin peptide
Host	Synthetic peptide
Form/Format	Supplied as a lyophilized powder.
Purity/Purification	Highly Purified ~95%. Purified by HPLC.
Preparation and Storage	Lyophilized powder may be stored at 4 degree C for short-term only. Stable for 12 months at -20 degree C. Reconstitute to nominal volume (see reconstitution instructions for peptides) and store at -20 degree C. For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made in assay buffer. .
Molecular Weight	2031.37
Chromosome Location	Chromosome: LG12; NC_007081.3 (5710827..5711357, complement). Location: chromosome: LG12
Sequence (linear)	Cys-Asn-Cys-Lys-Ala-Pro-Glu-Thr-Ala-Leu-Cys-Ala-Arg-Arg-Cys-Gln-Gln-His-NH2
Molecular Formula	C79H135N31O24S4
Product Categories/Family for Apamin peptide	Molecular Biology; MB-Peptides
Related Product Information for Apamin peptide	MBS658389 is a peptide targeting Apamin. Also known as Apamin (honey bee, Apis melifera). Host: Synthetic peptide.
Other Notes	Small volumes of Apamin peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Apamin. It may not necessarily be applicable to this product.

NCBI GI #	58585166
NCBI GeneID	406135
NCBI Accession #	NP_001011612.1
UniProt Primary Accession #	P01500
UniProt Related Accession #	P01500
GenBank Nucleotide #	NM_001011612.1
NCBI Official Full Name	apamin preproprotein
NCBI Official Synonym Full Names	apamin protein
NCBI Official Symbol	Apamin

NCBI Official Synonym Symbols	GB18161
UniProt Protein Name	Apamin
Protein Family	Apamin
UniProt Entry Name	APAM_APIME
NCBI Protein Information	apamin
UniProt Comments for Apamin	Function: Neurotoxin that blocks voltage-independent calcium-activated potassium channels (KCNN1=SK1, KCNN2=SK2, KCNN3=SK3). Subcellular location: Secreted. Tissue specificity: Expressed by the venom gland.
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