Alpha-Conotoxin GII Conus Geographus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Alpha-conotoxin GII, Recombinant Protein
Full Product Name	Recombinant Conus geographus Alpha-conotoxin GII
Product Synonym Names	Recombinant Alpha-conotoxin GII; Alpha-conotoxin GII
Sequence	ECCHPACGKH FSC
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	1,422 Da
Sequence Positions	1-13aa; Cytoplasmic domain
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P01520
Species	Conus geographus (Geography cone) (Nubecula geographus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Alpha-conotoxin GII recombinant protein	MBS1245813 is a recombinant protein targeting Alpha-conotoxin GII. Also known as Recombinant Conus geographus Alpha-conotoxin GII. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Alpha-conotoxin GII recombinant protein 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 Alpha-conotoxin GII. It may not necessarily be applicable to this product.

NCBI GI #	117729
NCBI Accession #	P01520.1
UniProt Primary Accession #	P01520
NCBI Official Full Name	Alpha-conotoxin GII
UniProt Protein Name	Alpha-conotoxin GII
Protein Family	Alpha-conotoxin
UniProt Entry Name	CA2_CONGE

UniProt Comments for Alpha-conotoxin GII	Function: Alpha-conotoxins act on postsynaptic membranes, they bind to the nicotinic acetylcholine receptors (nAChR) and thus inhibit them. Subcellular location: Secreted. Tissue specificity: Expressed by the venom duct. Domain: The cysteine framework is I (CC-C-C). Sequence similarities: Belongs to the conotoxin A superfamily.
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