Conotoxin Cal5a L1 Conus Californicus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Conotoxin Cal5a L1, Recombinant Protein
Full Product Name	Recombinant Conus californicus Conotoxin Cal5a L1
Product Synonym Names	Recombinant Conotoxin Cal5a L1; Conotoxin Cal5a L1 Cleaved into the following 2 chains: 1. Conotoxin Cal5b L1 2. Conotoxin Cal5.1
Sequence	DAADVKP VARTNEGPGR DPAPCCQHPI ETCC
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	8,272 Da
Sequence Positions	44-74aa; 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 D2Y171
Species	Conus californicus (California cone)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Conotoxin Cal5a L1 recombinant protein	MBS1261786 is a recombinant protein targeting Conotoxin Cal5a L1. Also known as Recombinant Conus californicus Conotoxin Cal5a L1. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Conotoxin Cal5a L1 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 Conotoxin Cal5a L1. It may not necessarily be applicable to this product.

UniProt Primary Accession #	D2Y171
UniProt Protein Name	Conotoxin Cal5a L1
Protein Family	Conotoxin
UniProt Entry Name	CU5A_CONCL

UniProt Comments for Conotoxin Cal5a L1	Subcellular location: Secreted Ref.1. Tissue specificity: Expressed by the venom duct. Ref.1 Domain: The cysteine framework is V (CC-CC). Post-translational modification: Five different peptides have been described after total venom examination by HPLC-MS. Cal5a is the longest. Cal5b-Cal5e are identical in length but are differentially hydroxylated. It is possible that hydroxylation and proteolysis at position 53 are incomplete in some of these peptides. Miscellaneous: Cal5a-cal5e are found in dissected venom (DV).
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