Conotoxin Eb6.22 (E1) Conus Ebraeus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Conotoxin Eb6.22 (E1), Recombinant Protein
Full Product Name	Recombinant Conus ebraeus Conotoxin Eb6.22 (E1)
Product Gene Name	E1 recombinant protein
Product Synonym Gene Name	E1
Product Synonym Names	Recombinant Conotoxin Eb6.22 (E1); Conotoxin Eb6.22
Sequence	ECTRSGGAC YSHNQCCDDF CSTATSTCV
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	7,710 Da
Sequence Positions	42-69aa; 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 C7T184
Species	Conus ebraeus (Hebrew cone)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for E1 recombinant protein	MBS1257940 is a recombinant protein targeting E1. Also known as Recombinant Conus ebraeus Conotoxin Eb6.22 (E1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of E1 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 E1. It may not necessarily be applicable to this product.

UniProt Primary Accession #	C7T184
UniProt Protein Name	Conotoxin Eb6.22
Protein Family	Conotoxin
UniProt Gene Name	E1
UniProt Entry Name	CO622_CONEA

UniProt Comments for E1	Subcellular location: Secreted By similarity. Tissue specificity: Expressed by the venom duct. Domain: The presence of a 'disulfide through disulfide knot' structurally defines this protein as a knottin By similarity.The cysteine framework is VI/VII (C-C-CC-C-C). Miscellaneous: This precursor corresponds to allele E1c. Has not been merged with other alleles since they may differ due to geographic variation (see strains in Ref.1). Sequence similarities: Belongs to the conotoxin O1 superfamily.
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