Toxin Catx-A (TOXIN A) Carybdea Alata Recombinant Protein

PRODUCT OVERVIEW

Product Name	Toxin CaTX-A (Toxin A), Recombinant Protein
Full Product Name	Recombinant Carybdea alata Toxin CaTX-A
Product Gene Name	Toxin A recombinant protein
Product Synonym Names	Toxin CaTX-A; Toxin A; CAT-1
Sequence	FP SQARLSRYRR SAADAVSTDI DGIIGQLNDL GTDTKRLKEA LQGVQEAVKK EPATTIAKVS TIVGSVGGSL SKFKSGDPFD VASGCLDIIA SVATTFGGPY GIAIGAVASL ISSILSLFSG NSMGSAIKQV IDDAFKKYRD QELEDNVKGA KRTFNAVITF VNSVSKTENL TEVHLDSVRD AVRVDAFTNM LGVLESRINR GSVSTDNNEA MRTINFIFLY LQLSVMRETL LTQVILLYKR AGGAYDELAL SLSLTSDQNK EATRETVTFL HQMETKYSLC GSYYYPIDHS KAAIGILKLT KFFGVPDPAR YTFDGLYYRM QNRAWNRYSI CKESYAGNHM FRGCKDSSYH GIRIKKLENG YHTITLRSKA MYVTKHAQGW GWGTADEDPG EQGYFTFIPL TNGFYMVSTK KWPDYFVYME SSAHGYIRSW HYNPDPQGQW KIL
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 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	51,605 Da
Sequence Positions	19-463aa; full length protein
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 Q9GNN8
Species	Carybdea alata (Hawaiian box jellyfish)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Toxin A recombinant protein	MBS1329844 is a recombinant protein targeting Toxin A. Also known as Recombinant Carybdea alata Toxin CaTX-A. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Toxin A 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 Toxin A. It may not necessarily be applicable to this product.

NCBI GI #	20137964
NCBI Accession #	Q9GNN8.1
UniProt Primary Accession #	Q9GNN8
UniProt Secondary Accession #	Q54AF4

NCBI Official Full Name	Toxin CaTX-A
UniProt Protein Name	Toxin CaTX-A
UniProt Synonym Protein Names	CAT-1
Protein Family	Toxin
UniProt Gene Name	Toxin A
UniProt Synonym Gene Names	Toxin A
UniProt Entry Name	CTXA_CARAL
UniProt Comments for Toxin A	Has potent hemolytic activity. Is lethal to crayfish. Causes cutaneous inflammation in humans. May act as a pore-forming toxin, disrupting normal transmembrane ion concentration gradients in susceptible cells.
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