Omega-Actinopoditoxin-Mb1a (OMEGA-AOTX-MB1A) Missulena Bradleyi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Omega-actinopoditoxin-Mb1a (Omega-AOTX-Mb1a), Recombinant Protein
Full Product Name	Recombinant Missulena bradleyi Omega-actinopoditoxin-Mb1a
Product Gene Name	Omega-AOTX-Mb1a recombinant protein
Product Synonym Names	Recombinant Omega-actinopoditoxin-Mb1a; Omega-actinopoditoxin-Mb1a; Omega-AOTX-Mb1a; Omega-missulenatoxin-Mb1a; Omega-MSTX-Mb1a
Sequence	SPVCTPSGQP CQPNTQPCCN NAEEEQTINC NGNTVYRCA
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	4,173 Da
Sequence Positions	1-39aa; 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 P83588
Species	Missulena bradleyi (Eastern mouse spider)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Omega-AOTX-Mb1a recombinant protein	MBS1233998 is a recombinant protein targeting Omega-AOTX-Mb1a. Also known as Recombinant Missulena bradleyi Omega-actinopoditoxin-Mb1a. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Omega-AOTX-Mb1a 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 Omega-AOTX-Mb1a. It may not necessarily be applicable to this product.

NCBI GI #	32363267
NCBI Accession #	P83588.1
UniProt Primary Accession #	P83588
NCBI Official Full Name	Omega-actinopoditoxin-Mb1a
UniProt Protein Name	Omega-actinopoditoxin-Mb1a

UniProt Synonym Protein Names	Omega-missulenatoxin-Mb1a
Protein Family	Omega-actinopoditoxin
UniProt Gene Name	Omega-AOTX-Mb1a
UniProt Synonym Gene Names	Omega-AOTX-Mb1a
UniProt Entry Name	TOM1A_MISBR
UniProt Comments for Omega-AOTX-Mb1a	Function: Potent inhibitor of insect, but not mammalian, voltage-gated calcium channels (Cav) By similarity. UniProtKB P56207 Subcellular location: Secreted Ref.1. Tissue specificity: Expressed by the venom gland. Ref.1 Domain: The presence of a 'disulfide through disulfide knot' structurally defines this protein as a knottin By similarity. Post-translational modification: Contains three disulfide bonds Probable. Sequence similarities: Belongs to the omega-atracotoxin type 1 family. Mass spectrometry: Molecular mass is 4167 Da from positions 1 - 39. Determined by ESI. Ref.1
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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