Hainantoxin-XIII (HNTX-XIII) Haplopelma Hainanum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Hainantoxin-XIII (HNTX-XIII), Recombinant Protein
Full Product Name	Recombinant Haplopelma hainanum Hainantoxin-XIII
Product Gene Name	HNTX-XIII recombinant protein
Product Synonym Gene Name	Recombinant Hainantoxin-XIII; Hainantoxin-XIII; HNTX-XIII
Sequence	CRYFWGECHD HMPCCDWLVC RYKWPITYNI CVWNRTFPEK
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	10,641 Da
Sequence Positions	51-90aa; 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 D2Y2A0
Species	Haplopelma hainanum (Chinese bird spider) (Selenocosmia hainana)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for HNTX-XIII recombinant protein	MBS1218347 is a recombinant protein targeting HNTX-XIII. Also known as Recombinant Haplopelma hainanum Hainantoxin-XIII. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of HNTX-XIII 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 HNTX-XIII. It may not necessarily be applicable to this product.

UniProt Primary Accession #	D2Y2A0
UniProt Protein Name	Hainantoxin-XIII
Protein Family	U7-theraphotoxin
UniProt Gene Name	HNTX-XIII
UniProt Synonym Gene Names	HNTX-XIII
UniProt Entry Name	H13A1_HAPHA

UniProt Comments for HNTX-XIII	Function: Ion channel inhibitor By similarity. Subcellular location: Secreted By similarity. Tissue specificity: Expressed by the venom gland. Domain: The presence of a 'disulfide through disulfide knot' structurally defines this protein as a knottin By similarity. Sequence similarities: Belongs to the huwentoxin-1 family.
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