Depressant Insect Toxin Bmk Ita1 Mesobuthus Martensii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Depressant insect toxin BmK ITa1, Recombinant Protein
Full Product Name	Recombinant Mesobuthus martensii Depressant insect toxin BmK ITa1
Sequence	DGYIRGSNGC KVSCLWGNEG CNKECGAYGA SYGYCWTWGL ACWCEGLPDD KTWKSESNTC G
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	9,214 Da
Sequence Positions	22-82, 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 Q8T3T0
Species	Mesobuthus martensii (Manchurian scorpion) (Buthus martensii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Depressant insect toxin BmK ITa1 recombinant protein	MBS1376089 is a recombinant protein targeting Depressant insect toxin BmK ITa1. Also known as Recombinant Mesobuthus martensii Depressant insect toxin BmK ITa1. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Depressant insect toxin BmK ITa1 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 Depressant insect toxin BmK ITa1. It may not necessarily be applicable to this product.

NCBI GI #	39932433
NCBI Accession #	Q8T3T0.1
UniProt Primary Accession #	Q8T3T0
UniProt Secondary Accession #	Q9U7E5
NCBI Official Full Name	Depressant insect toxin BmK ITa1
UniProt Protein Name	Depressant insect toxin BmK ITa1
Protein Family	Depressant insect toxin

UniProt Comments for Depressant insect toxin BmK ITa1	Depressant insect toxins cause a transient contraction paralysis followed by a slow flaccid paralysis. They bind voltage-independently to sodium channels (Nav) and block action potentials, primarily by depolarizing the axonal membrane and suppressing the sodium current ().
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