Potassium Channel Toxin Kappa-Ktx 2.8 Heterometrus Petersii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Potassium channel toxin kappa-KTx 2.8, Recombinant Protein
Full Product Name	Recombinant Heterometrus petersii Potassium channel toxin kappa-KTx 2.8
Product Synonym Names	Recombinant Potassium channel toxin kappa-KTx 2.8; Potassium channel toxin kappa-KTx 2.8; HSP053C.2
Sequence	GNA CIEVCLQHTG NPAECDKPCD K
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	6,748 Da
Sequence Positions	38-61aa; 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 P0DJ35
Species	Heterometrus petersii (Asian forest scorpion)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Potassium channel toxin kappa-KTx 2.8 recombinant protein	MBS1252563 is a recombinant protein targeting Potassium channel toxin kappa-KTx 2.8. Also known as Recombinant Heterometrus petersii Potassium channel toxin kappa-KTx 2.8. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Potassium channel toxin kappa-KTx 2.8 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 Potassium channel toxin kappa-KTx 2.8. It may not necessarily be applicable to this product.

NCBI GI #	384950681
NCBI Accession #	P0DJ35.1
UniProt Primary Accession #	P0DJ35
NCBI Official Full Name	Potassium channel toxin kappa-KTx 2.8
UniProt Protein Name	Potassium channel toxin kappa-KTx 2.8
UniProt Synonym Protein Names	HSP053C.2
Protein Family	Potassium channel toxin

UniProt Entry Name	KKX28_HETPE
UniProt Comments for Potassium channel toxin kappa-KTx 2.8	Function: Potassium channel inhibitor (Kv) By similarity. Subcellular location: Secreted. Tissue specificity: Expressed by the venom gland. Sequence similarities: Belongs to the short scorpion toxin superfamily. Potassium channel inhibitor kappa-KTx family. Kappa-KTx 2 subfamily.
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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Online datasheet: https://www.mybiosource.com/recombinant-protein/potassium-channel-toxin-kappa-ktx-2-8/1252563