Neurotoxin Bmk-M3 (BmK3) Mesobuthus Martensii Recombinant Protein

PRODUCT OVERVIEW

Product Name	Neurotoxin BmK-M3 (BmK3), Recombinant Protein
Full Product Name	Recombinant Mesobuthus martensii Neurotoxin BmK-M3
Product Gene Name	BmK3 recombinant protein
Sequence	VRDAYIAKPE NCVYECATNE YCNKLCTDNG AESGYCQWVG RYGNACXCIK LPDRVPIRVW GKCHG
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	7,318 Da
Sequence Positions	1-65, 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 P15227
Species	Mesobuthus martensii (Manchurian scorpion) (Buthus martensii)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for BmK3 recombinant protein	MBS1122313 is a recombinant protein targeting BmK3. Also known as Recombinant Mesobuthus martensii Neurotoxin BmK-M3. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of BmK3 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 BmK3. It may not necessarily be applicable to this product.

NCBI GI #	134353
NCBI Accession #	P15227.1
UniProt Primary Accession #	P15227
NCBI Official Full Name	Neurotoxin BmK-M3
UniProt Protein Name	Neurotoxin BmK-M3
UniProt Synonym Protein Names	BmK III; BmKIII; BmK-III
Protein Family	Neurotoxin
UniProt Gene Name	BmK3

UniProt Synonym Gene Names	BmKM3; Bmk M3; BmKIII
UniProt Comments for BmK3	Binds to sodium channels (Nav) and inhibits the inactivation of the activated channels, thereby blocking neuronal transmission.
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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