Potassium Channel Toxin Alpha-Ktx 8.1 Androctonus Mauretanicus Mauretanicus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Potassium channel toxin alpha-KTx 8.1, Recombinant Protein
Full Product Name	Recombinant Androctonus mauretanicus mauretanicus Potassium channel toxin alpha-KTx 8.1
Product Synonym Names	Recombinant Potassium channel toxin alpha-KTx 8.1; Potassium channel toxin alpha-KTx 8.1; AmP01 Neurotoxin P01
Sequence	VSCEDCPEHC STQKAQAKCD NDKCVCEPI
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	3,185 Da
Sequence Positions	1-29aa; 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 P56215
Species	Androctonus mauretanicus mauretanicus (Scorpion)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Potassium channel toxin alpha-KTx 8.1 recombinant protein	MBS1227145 is a recombinant protein targeting Potassium channel toxin alpha-KTx 8.1. Also known as Recombinant Androctonus mauretanicus mauretanicus Potassium channel toxin alpha-KTx 8.1. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Potassium channel toxin alpha-KTx 8.1 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 alpha-KTx 8.1. It may not necessarily be applicable to this product.

NCBI GI #	3024595
NCBI Accession #	P56215.1
UniProt Primary Accession #	P56215
NCBI Official Full Name	Potassium channel toxin alpha-KTx 8.1
UniProt Protein Name	Potassium channel toxin alpha-KTx 8.1
UniProt Synonym Protein Names	AmP01; Neurotoxin P01

Protein Family	Potassium channel toxin
UniProt Entry Name	KAX81_ANDMA
UniProt Comments for Potassium channel toxin alpha-KTx 8.1	Function: Blocker for the small conductance calcium-activated potassium channels (SK-Ca); also known as apamine-sensitive potassium channel. Subcellular location: Secreted. Tissue specificity: Expressed by the venom gland. Domain: Has the structural arrangement of an alpha-helix connected to a beta-sheet by disulfide bonds (CSalpha/beta). Sequence similarities: Belongs to the short scorpion toxin superfamily. Potassium channel inhibitor family. Alpha-KTx 8 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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