Potassium Channel Toxin Alpha-Ktx 5.1 (LeTx I) Leiurus Quinquestriatus Hebraeus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Potassium channel toxin alpha-KTx 5.1 (LeTx I), Recombinant Protein
Full Product Name	Recombinant Leiurus quinquestriatus hebraeus Potassium channel toxin alpha-KTx 5.1
Product Gene Name	LeTx I recombinant protein
Product Synonym Names	Recombinant Potassium channel toxin alpha-KTx 5.1; Potassium channel toxin alpha-KTx 5.1; Leiurotoxin I; LeTx I Leiurotoxin-1 Scyllatoxin; ScyTx
Sequence	AFCNLRMCQL SCRSLGLLGK CIGDKCECVK H
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	3,430 Da
Sequence Positions	1-31aa; 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 P16341
Species	Leiurus quinquestriatus hebraeus (Yellow scorpion)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for LeTx I recombinant protein	MBS1252895 is a recombinant protein targeting LeTx I. Also known as Recombinant Leiurus quinquestriatus hebraeus Potassium channel toxin alpha-KTx 5.1. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of LeTx I 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 LeTx I. It may not necessarily be applicable to this product.

NCBI GI #	134302
NCBI Accession #	P16341.1
UniProt Primary Accession #	P16341
NCBI Official Full Name	Potassium channel toxin alpha-KTx 5.1
UniProt Protein Name	Potassium channel toxin alpha-KTx 5.1
UniProt Synonym Protein Names	Leiurotoxin I; LeTx I; Leiurotoxin-1; Scyllatoxin

Protein Family	Potassium channel toxin
UniProt Gene Name	LeTx I
UniProt Synonym Gene Names	ScyTx
UniProt Entry Name	KAX51_LEIQH
UniProt Comments for LeTx I	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 5 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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