Potassium Channel Toxin Gamma-Ktx 1.8 (CeErg5) Centruroides Elegans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Potassium channel toxin gamma-KTx 1.8 (CeErg5), Recombinant Protein
Full Product Name	Recombinant Centruroides elegans Potassium channel toxin gamma-KTx 1.8
Product Gene Name	CeErg5 recombinant protein
Sequence	DRDSCIDKSR CSKYGYYQEC QDCCKKAGHN GGTCMFFKCK CA
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	4,782 Da
Sequence Positions	1-42, 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 P0C893
Species	Centruroides elegans (Bark scorpion)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CeErg5 recombinant protein	MBS1257387 is a recombinant protein targeting CeErg5. Also known as Recombinant Centruroides elegans Potassium channel toxin gamma-KTx 1.8. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CeErg5 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 CeErg5. It may not necessarily be applicable to this product.

NCBI GI #	209572995
NCBI Accession #	P0C893.1
UniProt Primary Accession #	P0C893
NCBI Official Full Name	Potassium channel toxin gamma-KTx 1.8
UniProt Protein Name	Potassium channel toxin gamma-KTx 1.8
UniProt Synonym Protein Names	CeErgTx5
Protein Family	Potassium channel toxin

UniProt Gene Name	CeErg5
UniProt Synonym Gene Names	CeErg5
UniProt Comments for CeErg5	Blocks in a reversible manner human and rat Kv11.1/KCNH2/ERG1 potassium channels. Also completely and irreversibly blocks rat Kv11.2/KCNH6/ERG2 and human Kv11.3/KCNH7/ERG3 channels.
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