Potassium Channel Toxin Gamma-Ktx 1.4 (ERG1) Centruroides Sculpturatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Potassium channel toxin gamma-KTx 1.4 (ERG1), Recombinant Protein
Full Product Name	Recombinant Centruroides sculpturatus Potassium channel toxin gamma-KTx 1.4 (ERG1)
Product Gene Name	ERG1 recombinant protein
Product Synonym Gene Name	ERG1
Sequence	DRDSCVDKSR CAKYGYYQEC 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	4,752 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 Q86QU6
Species	Centruroides sculpturatus (Bark scorpion)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ERG1 recombinant protein	MBS1326513 is a recombinant protein targeting ERG1. Also known as Recombinant Centruroides sculpturatus Potassium channel toxin gamma-KTx 1.4 (ERG1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ERG1 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 ERG1. It may not necessarily be applicable to this product.

NCBI GI #	38258449
NCBI Accession #	Q86QU6.1
UniProt Primary Accession #	Q86QU6
NCBI Official Full Name	Potassium channel toxin gamma-KTx 1.4
UniProt Protein Name	Potassium channel toxin gamma-KTx 1.4
UniProt Synonym Protein Names	CsErgTx1

Protein Family	Elicitor-responsive protein
UniProt Gene Name	CsErg1
UniProt Synonym Gene Names	CsErg1
UniProt Comments for ERG1	Blocks Kv11/ERG potassium channels.
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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