Iota-Conotoxin-Like R11c Conus Radiatus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Iota-conotoxin-like r11c, Recombinant Protein
Full Product Name	Recombinant Conus radiatus Iota-conotoxin-like r11c
Sequence	GPSFCKADEK PCKYHADCCN CCLGGICKPS TSWIGCSTNV FLT
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	8,744 Da
Sequence Positions	37-79, 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 Q7Z096
Species	Conus radiatus (Rayed cone)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Iota-conotoxin-like r11c recombinant protein	MBS1384812 is a recombinant protein targeting Iota-conotoxin-like r11c. Also known as Recombinant Conus radiatus Iota-conotoxin-like r11c. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Iota-conotoxin-like r11c 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 Iota-conotoxin-like r11c. It may not necessarily be applicable to this product.

NCBI GI #	118572635
NCBI Accession #	Q7Z096.2
UniProt Primary Accession #	Q7Z096
NCBI Official Full Name	Iota-conotoxin-like r11c
UniProt Protein Name	Iota-conotoxin-like r11c
UniProt Synonym Protein Names	R11.4
Protein Family	Iota-conotoxin

UniProt Comments for Iota-conotoxin-like r11c	Iota-conotoxins bind to voltage-gated sodium channels (Nav) and act as agonists by shifting the voltage-dependence of activation to more hyperpolarized levels (). Causes circular motion, convulsions, copious urination, rigid paralysis and death upon intracranial injection into mice. Causes unbalanced swimming, swimming in diagonal and vertical motion and death, when injected intraperitoneally into goldfish. L-Leu and D-Leu forms are active on both nerve and muscle.
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