Short Neurotoxin 6 (SNTX6) Pseudonaja Textilis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Short neurotoxin 6 (SNTX6), Recombinant Protein
Full Product Name	Recombinant Pseudonaja textilis Short neurotoxin 6 (SNTX6)
Product Gene Name	SNTX6 recombinant protein
Product Synonym Gene Name	SNTX6
Sequence	LTCYKSLSGT VVCKPHETIC YRRLIPATHG NAIIDRGCST SCPGGNRPVC CSTDLCNK
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	8,570 Da
Sequence Positions	22-79, 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 Q9W7J7
Species	Pseudonaja textilis (Eastern brown snake)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SNTX6 recombinant protein	MBS1409879 is a recombinant protein targeting SNTX6. Also known as Recombinant Pseudonaja textilis Short neurotoxin 6 (SNTX6). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SNTX6 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 SNTX6. It may not necessarily be applicable to this product.

NCBI GI #	24638075
NCBI Accession #	Q9W7J7.1
UniProt Primary Accession #	Q9W7J7
NCBI Official Full Name	Short neurotoxin 6
UniProt Protein Name	Short neurotoxin 6
UniProt Synonym Protein Names	Alpha-neurotoxin 6
Protein Family	Short neurotoxin

UniProt Gene Name	SNTX6
UniProt Synonym Gene Names	SNTX6
UniProt Comments for SNTX6	Binds with high affinity to muscle nicotinic acetylcholine receptor (nAChR) and hinders acetylcholine binding to the receptor, thereby impairing neuromuscular transmission. Competes with the binding of alpha-bungarotoxin on muscle AChR (from Torpedo) with an IC50 of 0.18 ÂµM. Causes muscle paralysis, spasms and increased respiration.
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