Long Neurotoxin 1 (NXL1) Boulengerina Annulata Annulata Recombinant Protein

PRODUCT OVERVIEW

Product Name	Long neurotoxin 1 (NXL1), Recombinant Protein
Full Product Name	Recombinant Boulengerina annulata annulata Long neurotoxin 1
Product Gene Name	NXL1 recombinant protein
Sequence	IRCFITPRVS SQACPDGHVC YTKTWCDNFC GINGKRVDLG CAATCPTVKP GVDIKCCSTD NCNPFPTRKR P
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	7,768 Da
Sequence Positions	1-71, 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 P34074
Species	Boulengerina annulata annulata (Banded water cobra)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NXL1 recombinant protein	MBS1234677 is a recombinant protein targeting NXL1. Also known as Recombinant Boulengerina annulata annulata Long neurotoxin 1. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NXL1 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 NXL1. It may not necessarily be applicable to this product.

NCBI GI #	52001477
NCBI Accession #	P34074.2
UniProt Primary Accession #	P34074
NCBI Official Full Name	Long neurotoxin 1
UniProt Protein Name	Long neurotoxin 1
Protein Family	Long neurotoxin
UniProt Gene Name	NXL1
UniProt Synonym Gene Names	NXL1

UniProt Comments for NXL1	Binds with high affinity to muscular (alpha-1/CHRNA1) and neuronal (alpha-7/CHRNA7) nicotinic acetylcholine receptor (nAChR) and hinders acetylcholine binding to the receptor, thereby impairing neuromuscular and neuronal transmission.
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