Synaptotagmin-1 (snt-1) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Synaptotagmin-1 (snt-1), Recombinant Protein
Full Product Name	Recombinant Synaptotagmin-1 (snt-1)
Product Gene Name	snt-1 recombinant protein
Product Synonym Gene Name	snt-1; F31E8.2
Product Synonym Names	Synaptotagmin-1; Synaptotagmin I
Sequence	RKLF GKKRHGEKNK KGGLKGFFGK GQDVVDGKNI QGMAQDLEEL GDAMEQNEKE QAEEKEEVKL GRIQYKLDYD FQQGQLTVTV IQAEDLPGMD MSGTSDPYVK LYLLPEKKKK VETKVHRKTL NPVFNETFIF KVAFNEITAK TLVFAIYDFD RFSKHDQIGQ VLIPLGKIDL GAVIEEWKDI APPPDDKEAE KSLGDICFSL RYVPTAGKLT VVILEAKNLK KMDVGGLSDP YVKIVLMQGG KRLKKKKTSI KKCTLNPYYN ESFSFEVPFE QIQKVSLMIT VMDYDKLGSN DAIGRCLLGC NGTGAELRHW MDMLASPRRP IAQWHTLGPV EEEGDKKDDK K
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	49,904 Da
Sequence Positions	97-441
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 P34693
Species	Caenorhabditis elegans
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for snt-1 recombinant protein	MBS1237474 is a recombinant protein targeting snt-1. Also known as Recombinant Synaptotagmin-1 (snt-1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of snt-1 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 snt-1. It may not necessarily be applicable to this product.

NCBI GI #	71987893
NCBI GeneID	174120
NCBI Accession #	NP_001022129.1
UniProt Primary Accession #	P34693

UniProt Related Accession #	AAK68354
GenBank Nucleotide #	NM_001026958.3
NCBI Official Full Name	Protein SNT-1, isoform a
NCBI Official Symbol	snt-1
UniProt Protein Name	Synaptotagmin-1
UniProt Synonym Protein Names	Synaptotagmin I
UniProt Gene Name	snt-1
UniProt Entry Name	SYT1_CAEEL
NCBI Protein Information	Protein SNT-1
UniProt Comments for snt-1	May have a regulatory role in the membrane interactions during trafficking of synaptic vesicles at the active zone of the synapse. It binds acidic phospholipids with a specificity that requires the presence of both an acidic head group and a diacyl backbone (). Involved in necrotic cell death (PubMed:22157748).
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