Synaptotagmin-6 (SYT6) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Synaptotagmin-6 (Syt6), Recombinant Protein
Full Product Name	Recombinant Mouse Synaptotagmin-6 (Syt6), partial
Product Gene Name	Syt6 recombinant protein
Product Synonym Gene Name	Syt6
Sequence	WKLCWMPWRK KEASSPSSAN PASETLQSPS SRGNMADKLK DPSALGFLEA AVKISHTSPD IPAEVQMSVK EHIMRHTKLQ RQTTEPASST RHTSFKRHLP RQMHVSSVDY GNELPPAAAE QPTSIGRIKP ELYKQKSVDG DDAKSEAAKS CGKINFSLRY DYESETLIVR ILKAFDLPAK DFCGSSDPYV KIYLLPDRKC KLQTRVHRKT LNPTFDENFH FPVPYEELAD RKLHLSVFDF DRFSRHDMIG EVILDNLFEA SDLSRETSIW KDIQYATSES VDLGEIMFSL CYLPTAGRLT LTVIKCRNLK AMDITGYSDP YVKVSLLCDG RRLKKKKTTI KKNTLNPIYN EAIIFDIPPE NMDQVSLLIS VMDYDRVGHN EIIGVCRVGI NAEGLGRDHW NEMLAYPRKP IAHWHSLVEV KKSFKEGTPR L
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	48,343 Da
Sequence Positions	81-511
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 Q9R0N8
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Syt6 recombinant protein	MBS1427688 is a recombinant protein targeting Syt6. Also known as Recombinant Mouse Synaptotagmin-6 (Syt6), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Syt6 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 Syt6. It may not necessarily be applicable to this product.

NCBI GI #	70906485
NCBI GeneID	54524
NCBI Accession #	NP_061270.2
UniProt Primary Accession #	Q9R0N8

UniProt Secondary Accession #	Q9QUK7; E9QJV2
UniProt Related Accession #	Q9R0N8
GenBank Nucleotide #	NM_018800.5
NCBI Official Full Name	synaptotagmin-6 isoform 1
NCBI Official Synonym Full Names	synaptotagmin VI
NCBI Official Symbol	Syt6
NCBI Official Synonym Symbols	sytVI; AW048930; 3110037A08Rik
UniProt Protein Name	Synaptotagmin-6
UniProt Synonym Protein Names	Synaptotagmin VI; SytVI
Protein Family	Synaptotagmin
UniProt Gene Name	Syt6
UniProt Synonym Gene Names	SytVI
NCBI Protein Information	synaptotagmin-6
UniProt Comments for Syt6	May be involved in Ca2+-dependent exocytosis of secretory vesicles through Ca2+ and phospholipid binding to the C2 domain or may serve as Ca2+ sensors in the process of vesicular trafficking and exocytosis (). May mediate Ca2+-regulation of exocytosis in acrosomal reaction in sperm (PubMed:15774481).
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