Synaptotagmin-17 (SYT17) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Synaptotagmin-17 (Syt17), Recombinant Protein
Full Product Name	Recombinant Mouse Synaptotagmin-17 (Syt17)
Product Gene Name	Syt17 recombinant protein
Product Synonym Gene Name	Syt17
Sequence	MLEPLNEGLL SRISDVLLCG WTCQHCCQRC YESSCCQSSE DEVEILGPFP AQTPPWLMAS RSNDKDGDSV HTASDVPLTP RTNSPDGRRS SSDTSKSTYS LTRRISSLDS RRPSSPLIDI KPVEFGVLSA KKESIQPSVL RRTYTPDDYF RKFEPRLYSL DSNLDDVDSL TDEEIMSKYQ LGMLHFSTQY DLLHNHLTVR VIEARDLPPP ISHDGSRQDM AHSNPYVKIC LLPDQKNSKQ TGVKRKTQKP VFEERYTFEI PFLEAQRRTL LLTVVDFDKF SRHCVIGKVA VPLCEVDLVK GGHWWKALIP SSQNEVELGE LLLSLNYLPS AGRLNVDIIR AKQLLQTDVS QGSDPFVKIQ LVHGLKLVKT KKTSFLRGTI DPFYNESFSF KVPQEELENA SLVFTVFGHN MKSSNDFIGR IVIGQYSSGP SESNHWRRML NTHRTAVEQW HSLRSRAECD RVSPASLEVT
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	53,293 Da
Sequence Positions	1-470, 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 Q920M7
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Syt17 recombinant protein	MBS1482154 is a recombinant protein targeting Syt17. Also known as Recombinant Mouse Synaptotagmin-17 (Syt17). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Syt17 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 Syt17. It may not necessarily be applicable to this product.

NCBI GI #	20149722
NCBI GeneID	110058
NCBI Accession #	NP_619590.1
UniProt Primary Accession #	Q920M7

UniProt Secondary Accession #	Q3UXZ2
UniProt Related Accession #	Q920M7
GenBank Nucleotide #	NM_138649.1
NCBI Official Full Name	synaptotagmin-17
NCBI Official Synonym Full Names	synaptotagmin XVII
NCBI Official Symbol	Syt17
NCBI Official Synonym Symbols	Bk
UniProt Protein Name	Synaptotagmin-17
UniProt Synonym Protein Names	Protein B/K; Synaptotagmin XVII; SytXVII
Protein Family	Synaptotagmin
UniProt Gene Name	Syt17
UniProt Synonym Gene Names	Bk; SytXVII
NCBI Protein Information	synaptotagmin-17
UniProt Comments for Syt17	Plays a role in dendrite formation by melanocytes.
Research Articles on Syt17	**1.** The N-terminal domain of B/K protein contains a novel cysteine-based motif that allows B/K protein to localize in the trans-Golgi network.
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