Syntaxin-Binding Protein 2 (STXBP2) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Syntaxin-binding protein 2 (Stxbp2), Recombinant Protein
Full Product Name	Recombinant Mouse Syntaxin-binding protein 2 (Stxbp2)
Product Gene Name	Stxbp2 recombinant protein
Product Synonym Gene Name	Stxbp2
Sequence	MAPLGLKAVV GEKILSGVIR SVKKDGEWKV LIMDHPSMRI LSSCCKMSDI LAEGITIVED INKRREPIPS LEAIYLLSPT EKSVQALIAD FQGTPTFTYK AAHIFFTDTC PEPLFSELGR SRLAKAVKTL KEIHLAFLPY EAQVFSLDAP HSTYNLYCPF RAGERGRQLD ALAQQIATLC ATLQEYPSIR YRKGPEDTAQ LAHAVLAKLN AFKADTPSLG EGPEKTRSQL LIMDRAADPV SPLLHELTFQ AMAYDLLDIE QDTYRYETTG LSESREKAVL LDEDDDLWVE LRHMHIADVS KKVTELLKTF CESKRLTTDK ANIKDLSHIL KKMPQYQKEL NKYSTHLHLA DDCMKHFKGS VEKLCSVEQD LAMGSDAEGE KIKDAMKLIV PVLLDASVPP YDKIRVLLLY ILLRNGVSEE NLAKLIQHAN VQSYSSLIRN LEQLGGTVTN SAGSGTSSRL ERRERMEPTY QLSRWSPVIK DVMEDVVEDR LDRKLWPFVS DPAPVPSSQA AVSARFGHWH KNKAGVEARA GPRLIVYIVG GVAMSEMRAA YEVTRATEGK WEVLIGSSHI LTPTRFLDDL KTLDQKLEGV ALP
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	66,357 Da
Sequence Positions	1-593, 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 Q64324
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Stxbp2 recombinant protein	MBS1386084 is a recombinant protein targeting Stxbp2. Also known as Recombinant Mouse Syntaxin-binding protein 2 (Stxbp2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Stxbp2 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 Stxbp2. It may not necessarily be applicable to this product.

NCBI GI #	6755688
NCBI GeneID	20911

NCBI Accession #	NP_035633.1
UniProt Primary Accession #	Q64324
UniProt Related Accession #	Q64324
GenBank Nucleotide #	NM_011503.5
NCBI Official Full Name	syntaxin-binding protein 2 isoform 2
NCBI Official Synonym Full Names	syntaxin binding protein 2
NCBI Official Symbol	Stxbp2
NCBI Official Synonym Symbols	Sxtp2; C79054; Sxtbp2; Unc18b; muSec1; Munc18b; Unc18-2; Munc-18b; Munc-18-2
UniProt Protein Name	Syntaxin-binding protein 2
UniProt Synonym Protein Names	MUSEC1; Protein unc-18 homolog 2; Munc18-2; Unc18-2; Protein unc-18 homolog B; Unc-18B
Protein Family	Syntaxin-binding protein
UniProt Gene Name	Stxbp2
UniProt Synonym Gene Names	Unc18b; Munc18-2; Unc18-2; Unc-18B
NCBI Protein Information	syntaxin-binding protein 2
UniProt Comments for Stxbp2	Involved in intracellular vesicle trafficking and vesicle fusion with membranes. Contributes to the granule exocytosis machinery through interaction with soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) proteins that regulate membrane fusion. Regulates cytotoxic granule exocytosis in natural killer (NK) cells ().
Research Articles on Stxbp2	**1.** Munc18b as an essential gene that is a limiting component of the exocytic machinery of epithelial cells and mast cell.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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