Recombinant Mouse Stxbp1 Protein, Myc/DDK-tagged

Cat. No. Stxbp1-6209M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length syntaxin binding protein 1 (Stxbp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Participates in the regulation of synaptic vesicle docking and fusion through interaction with GTP-binding proteins. Essential for neurotransmission and binds syntaxin, a component of the synaptic vesicle fusion machinery probably in a 1:1 ratio. Can interact with syntaxins 1, 2, and 3 but not syntaxin 4. May play a role in determining the specificity of intracellular fusion reactions.
Molecular Mass	68.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Stxbp1 syntaxin binding protein 1 [Mus musculus (house mouse)]
Official Symbol	Stxbp1
Synonyms	STXBP1; syntaxin binding protein 1; syntaxin-binding protein 1; unc-18A; unc-18-1; UNC-18 homolog; protein unc-18 homolog 1; protein unc-18 homolog A; minisatellite 10g detected by probe MMS10; Ms10g; nsec1; N-sec1; Sxtbp1; Unc18h; MMS10-G; Rb-sec1; Unc18-1; AI317162; AI326233; Munc-18a; Munc18-1
Gene ID	20910
mRNA Refseq	NM_001113569
Protein Refseq	NP_001107041
UniProt ID	O08599

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