

## Product datasheet for TP509328

### Stxbp1 (NM\_001113569) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse syntaxin binding protein 1 (Stxbp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209328 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAPIGLKAVVGEKIMHDVIKKVKKKGEWKVLVVDQLSMRMLSSCCKMTDIMTEGITIVEDINKRREPLPS  
LEAVYLITPSEKSVHSLISDFKDPPTAKYRAAHVFFTDSCPDALFNELVKSRAAKVIKTLTEINIAFLPY  
ESQVYSLDSADSFQSFYSPHKAQMKNPILERLAEQIATLCATLKEYPAVRYRGEYKDNALLAQLIQDKLD  
AYKADDPTMGEGPDKARSQLLILDRGFDPPSSPVLHELTFQAMSYDLLPIENDVYKYETSGIGEARVKEVL  
LDEDDLWIALRHKHIAEVSQEVTRSLKDFSSSKRMNTGEKTTMRDLSQMLKKMPQYQKELSKYSTHLHL  
AEDCMKHYYQGTVDKLCRVEQDLAMGTDAGEKIKDPMRAIVPILLDANVSTYDKIRIILLYIFLKNIGITE  
ENLNKLIQHAQIPPEDSEIITNMAHLGVPVITDSTLRRRSKPERKERISEQTYQLSRWTPPIKDIMEDI  
EDKLDTKHYPYISTRSSASFSTTAVSARYGHWKHNKAPGEYRSGPRLIIFILGGVSLNEMRCAYEVTQAN  
GKWEVLIGSTHILTPTKFLMDLRHPDFRESSRVSFEDQAPTME

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	68.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online »](#)

RefSeq:	<u>NP_001107041</u>
Locus ID:	20910
UniProt ID:	<u>O08599</u>
RefSeq Size:	4005
Cytogenetics:	2 22.09 cM
RefSeq ORF:	1812
Synonyms:	AI317162; AI326233; MMS10-G; Ms10g; Munc-18a; Munc18-1; N-sec1; nsec1; Rb-sec1; Sxtbp1
Summary:	Participates in the regulation of synaptic vesicle docking and fusion through interaction with GTP-binding proteins (By similarity). 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 (By similarity).[UniProtKB/Swiss-Prot Function]