

## Recombinant Mouse Stxbp1 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length syntaxin binding protein 1 (Stxbp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	68.7 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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](#) Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA