

Recombinant Mouse Stxbp4 Protein, Myc/DDK-tagged

Cat. No. Stxbp4-6211M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length syntaxin binding protein 4 (cDNA clone MGC:41138 IMAGE:1224878), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays a role in the translocation of transport vesicles from the cytoplasm to the plasma membrane. Inhibits the translocation of SLC2A4 from intracellular vesicles to the plasma membrane by STX4A binding and preventing the interaction between STX4A and VAMP2. Stimulation with insulin disrupts the interaction with STX4A, leading to increased levels of SLC2A4 at the plasma membrane. May also play a role in the regulation of insulin release by pancreatic beta cells after stimulation by glucose.
Molecular Mass	58.6 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.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Stxbp4 syntaxin binding protein 4 [Mus musculus (house mouse)]
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Official Symbol	Stxbp4
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Synonyms	Stxbp4; syntaxin binding protein 4; S; Synip; 6030470M02Rik; syntaxin-binding protein 4; STX4-interacting protein; syntaxin 4-interacting protein
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Gene ID	20913
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mRNA Refseq	NM_011505
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Protein Refseq	NP_035635
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UniProt ID	Q9WV89
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