

Product datasheet for **TP315386**

Syntaxin binding protein 4 (STXBP4) (NM_178509) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human syntaxin binding protein 4 (STXBP4), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC215386 representing NM_178509
Red=Cloning site **Green**=Tags(s)

MNKNSTSTVSPSLLEKDPAFQMITIAKETGLGLKVLGGINRNEGPLVYIQEIIPGGDCYKDGRLKPGDQL
VSVNKESMIGVSFEEAKSIITGAKLRLESAWEIAFIRQKSDNIQPENLSCTSLIEASGEYGPQASTLSLF
SSPPEILIPKTSSTPKTNNDILSSCEIKTGYNKTVQIPITSENSTVGLSNTDVASAWTENYGLQEKISLN
PSVRFKA EKLEMALNYLGIQPTKEQH QALRQQVQADSKGTVSFGDFVQVARNLFLCLQLDEVNVGAHEIS
N
ILDSQLLP CDSSEADEMERLKCERDDALKEVNTLKEKLLESDKQRKQLTEELQNVKQEA KAVEETR ALR
SRIHLAEAAQRQA HGMMEDYEEVIRLLEAKITELKAQLADYSDQNKESVQDLKKRIMVLDCLRKSEMAR
KTFEASTEKLLHFVEAIQEVFSDNSTPLSNLSERRAVLASQTS LPLGRNGRSIPATLALESKELVKSVR
ALLDMDCLPYGWEEAYTADGIKYFINHVTQTTSWIHPVMSVLNLSRSENEEDCSREL PNQKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 61.5 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

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

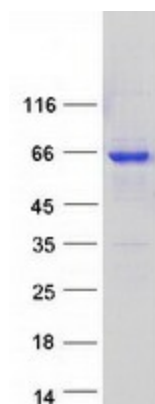
Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_848604</u>
Locus ID:	252983
UniProt ID:	<u>Q6ZWI1</u>
RefSeq Size:	6046
Cytogenetics:	17q22
RefSeq ORF:	1659
Synonyms:	Synip
Summary:	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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified STXBP4 protein (Cat# TP315386). The protein was produced from HEK293T cells transfected with STXBP4 cDNA clone (Cat# [RC215386]) using MegaTran 2.0 (Cat# [TT210002]).