

Product datasheet for **TP315386M**

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), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215386 representing NM_178509 Red =Cloning site Green =Tags(s)

MNKNTSTVVSPSLLLEKDPAFQMITIAKETGLGLKVLGGINRNEGPLVYIQEIIPGGDCYKDGRLKPGDQL
VSVNKESMIGVSFEEAKSIITGAKLRLESWEIAFIRQKSDNIQPENLSCTSLIEASGEYGPQASTLSLF
SSPPEILPKTSSTPKTNDILSSCEIKTGYNKTVQIPITSENSTVGLSNTDVASAWTENYGLQEKISLN
PSVRFKAEKLEMALNYLGIQPTKEQHQLRQQVQADSKGTVSFGDFVQVARNLFLCLQLDEVNNGAHEISN
ILDSQLLPCDSSEADEMERLKCERDDALKEVNTLKEKLLESDKQRKQLTEELQNVKQEAKAVEETRALR
SRIHLAEEAAQRQAHGMEMDYEEVIRLLEAKITELKAQLADYSDQNKESVQDLKKRIMVLDCQLRKSEMAR
KTFEASTEKLLHFVEAIQEVFSDNSTPLSNLSERRAVLASQTSLTPLGRNGRSIPATLALESKELVKSVR
ALLDMDCLPYGWEEAYTADGIKYFINHVTQTTSWIHPVMSVLNLSRSEENEEDCSRELNPQKS

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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_848604](#)

Locus ID: 252983

UniProt ID: [Q6ZWJ1](#)

RefSeq Size: 6046

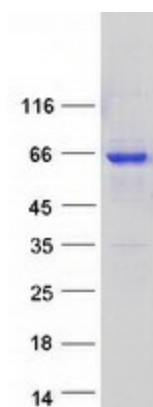
Cytogenetics: 17q22

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]).