

Product datasheet for PH315386

Syntaxin binding protein 4 (STXBP4) (NM_178509) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	STXBP4 MS Standard C13 and N15-labeled recombinant protein (NP_848604)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215386
Predicted MW:	61.5 kDa
Protein Sequence:	>RC215386 representing NM_178509 Red =Cloning site Green =Tags(s)

MNKNTSTVSPSLLEKDPAFQMITIAKETGLGLKVLGGINRNEGPLVYIQEIIPGGDCYKDGRLKPGDQL
 VSVNKESMIGVSFEEAKSIITGAKLRLESWEIAFIRQKSDNIQPENLSCTSLIEASGEYGPQASTLSLF
 SSPPEILIPKTSSTPKTNNDILSSCEIKTGYNKTVQIPITSENSTVGLSNTDVASAWTENYGLQEKISLN
 PSVRFKAEEKLEMALNYLGIQPTKEQHQLRQQVQADSKGTVSFGDFVQVARNLFCQLDEVNVAHEISN
 ILDSQLPCDSSEADEMERLKCERDDALKEVNTLKEKLLESDKQRKQLTEELQNVKQEAQAVVEETRALR
 SRIHLAEAAQRQAAGMEMDYEEVIRLLEAKITELKAQLADYSDQNKESVQDLKKRIMVLDCLRKSEMAR
 KTFEASTEKLLHFVEAIQEVFSDNSTPLSNLSERRAVLASQTSLTPLGRNGRSIPATLALSKELVKSVR
 ALLDMDCLPYGWEEAYTADGIKYFINHVTQTTSWIHPVMSVLNLSRSENEEDCSRELPNQKS

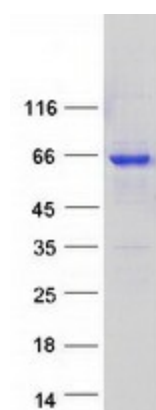
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_848604</u>
RefSeq Size:	6046
RefSeq ORF:	1659


[View online »](#)

Synonyms:	Synip
Locus ID:	252983
UniProt ID:	<u>Q6ZWI1</u>
Cytogenetics:	17q22
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]).