

Recombinant Human STXBP4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. STXBP4-593H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	STXBP4 MS Standard C13 and N15-labeled recombinant protein (NP_848604) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
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	61.5 kDa
AA Sequence	MNKNTSTVVSPSLLEKDPAFQMIIAKETGLGLKVLGGINRNEGPLVYIQEIIPGGDCY KDGRLKPGDQLVSVNKESMIGVSFEEAKSIITGAKLRLESAWEIAFIRKSDNIQPENL SCTSLIEASGEYGPQASTLSLFSSPPEILIPKTSSTPKTNNDILSSCEIKTGYNKTVQIPI TSENSTVGLSNTDVASAWTENYGLQEKISLNPSVRFKA EKLEMALNYLGIQPTKEQH QALRQQVQADSKGTVSFGDFVQVARNLFCLQLDEVNVGAHEISNILDSQLLPCDSS EADemerlKcERDDALKEVNTLKEKLLESDKQRKQLTEELQNVKQEAKAVVEETRA

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LRSRIHLAEAAQRQAHGMMEDYEEVIRLLEAKITELKAQLADYSDQNKESVQDLKKRI
 MVLDCQLRKSEMARKTFEASTEKLLHFVEAIQEVFSDNSTPLSNLSERRAVLASQTS
 LTPLGRNGRSIPATLALESKELVKSVRALLDMDCLPYGWEEAYTADGIKYFINHVTQT
 TSWIHPVMSVLNLSRSEENEEDCSRELPNQKSTRTRPLEQKLISEEDLAANDILDYK
 DDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name STXBP4 syntaxin binding protein 4 [Homo sapiens (human)]

Official Symbol STXBP4

Synonyms STXBP4; syntaxin binding protein 4; syntaxin-binding protein 4; MGC50337; Synip; STX4-interacting protein; syntaxin 4 interacting protein; syntaxin 4-interacting protein; FLJ16496; MGC149829;

Gene ID 252983

mRNA Refseq NM_178509

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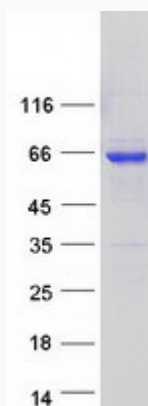
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Protein Refseq NP_848604

MIM 610415

UniProt ID Q6ZWJ1

SDS-PAGE



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