

Product datasheet for **TP300347M**

Syntaxin 4 (STX4) (NM_004604) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human syntaxin 4 (STX4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200347 protein sequence Red =Cloning site Green =Tags(s)

MRDRTHELRQGDDSSDEEDKERVALVHPGTARLGSPDEEFFHKVVRTIRQTIVKLGNKVQELEKQQVTIL
ATPLPEESMKQELQNLRLDEIKQLGREIRLQLKAIEPQKEEADENYNSVNTRMRKTQHGVLSSQQFVELINK
CNSMQSEYREKNVERIRRQLKITNAGMVSDEELEQMLDSGQSEVFSNLIKDTQVTRQALNEISARHSEI
QQLERSIRELHDIFTFATEVEMQGEMINRIEKNILSSADYVERGQEHVKTALENQKKARKKKVLIACV
SITVLLAVIIGVTWVG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	34 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.
RefSeq:	<u>NP_004595</u>
Locus ID:	6810



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UniProt ID: [Q12846](#)

RefSeq Size: 1494

Cytogenetics: 16p11.2

RefSeq ORF: 891

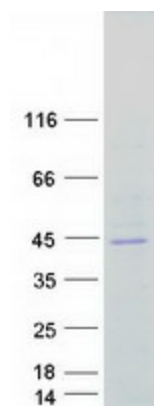
Synonyms: p35-2; STX4A

Summary: Plasma membrane t-SNARE that mediates docking of transport vesicles. Necessary for the translocation of SLC2A4 from intracellular vesicles to the plasma membrane. Together with STXB3 and VAMP2, may also play a role in docking/fusion of intracellular GLUT4-containing vesicles with the cell surface in adipocytes (By similarity). May also play a role in docking of synaptic vesicles at presynaptic active zones.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: SNARE interactions in vesicular transport

Product images:



Coomassie blue staining of purified STX4 protein (Cat# [TP300347]). The protein was produced from HEK293T cells transfected with STX4 cDNA clone (Cat# [RC200347]) using MegaTran 2.0 (Cat# [TT210002]).