

Product datasheet for PH300347

Syntaxin 4 (STX4) (NM_004604) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	STX4 MS Standard C13 and N15-labeled recombinant protein (NP_004595)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200347
Predicted MW:	34.2 kDa
Protein Sequence:	>RC200347 protein sequence Red=Cloning site Green=Tags(s) MRDRTHELRQGDDSSDEEDKERVALVVHPGTARLGSPDEEFFHKVIRTIRQTIVKLGKVKQELEKQQVTIL ATPLPEESMKQELQNLRDEIKQLGREIRLQLKAIEPQKEEADENYSVNTRMRKTQHGVLQQFVELINK CNSMQSEYREKNVERIRRQLKITNAGMVSDEELEQMLDSGQSEVFSNLIKDTQVTRQALNEISARHSEI QQLERSIRELHDIFTFLATEVEMQGEMINRIEKNILSSADYVERGQEHVKTALENQKKARKKKVLIAICV SITVLLAVIIGVTVVG 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_004595</u>
RefSeq Size:	1494
RefSeq ORF:	891
Synonyms:	p35-2; STX4A
Locus ID:	6810



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UniProt ID: [Q12846](#)

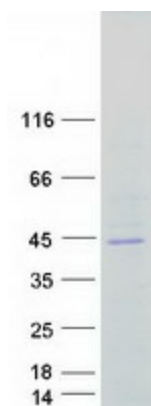
Cytogenetics: 16p11.2

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]).