

Recombinant Human STX1B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. STX1B-3065H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	STX1B MS Standard C13 and N15-labeled recombinant protein (NP_443106) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene belongs to a family of proteins thought to play a role in the exocytosis of synaptic vesicles. Vesicle exocytosis releases vesicular contents and is important to various cellular functions. For instance, the secretion of transmitters from neurons plays an important role in synaptic transmission. After exocytosis, the membrane and proteins from the vesicle are retrieved from the plasma membrane through the process of endocytosis. Mutations in this gene have been identified as one cause of fever-associated epilepsy syndromes. A possible link between this gene and Parkinson's disease has also been suggested.
Molecular Mass	33.2 kDa
AA Sequence	MKDRTQELRSKDSDEEEVVHVD RDHFMDEF FEQVEEIRGCIEKLS EDVEQVKKQ HSAILAAPNPDEKTKQELEDLTADIKKTANKVRSKLKAIEQSIEQEEGLNRSSADLRIR KTQHSTLSRK FVEVMTEYNATQSKYRDRCKDRIQRQLEITGR TTTNEELEDMLESGK LAIFTDDIKMDSQMTKQALNEIETRHNEI IKLETSIRELHDMFVDMAMLVESQGEMIDR IEYNVEHSVDYVERAVSDTKKAVKYQSKARRKKIMIIICCVLGVV LASSIGGTLGLTR

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TRPLEQKLISEEDLAANDILDYKDDDDKV

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 STX1B syntaxin 1B [Homo sapiens (human)]

Official Symbol STX1B

Synonyms STX1B; syntaxin 1B; GEFSP9; STX1B1; STX1B2; syntaxin-1B; syntaxin-1B1; syntaxin-1B2

Gene ID 112755

mRNA Refseq NM_052874

Protein Refseq NP_443106

MIM 601485

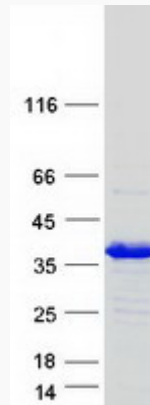
UniProt ID P61266

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SDS-PAGE



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