

Recombinant Full Length Human STX1B Protein, C-Flag-tagged

Cat. No. STX1B-492HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human STX1B Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	33.1 kDa
AA Sequence	MKDRTQELRSAKDSDDDEEEVVHVD RDHFMDEFFEQVEEIRGCIEKLSEDVEQVKKQ HSAILAAPNPDEKT KQELEDLTADIKKTANKVRSKLKAIEQSIEQEEGLNRSSADLRIR KTQHSTLSRK FVEVMTEYNATQSKY RDRCKDRIQRQLEITGR TTTNEELEDMLESG KLAIFTDDIKMDSQMTKQALNEIETRHNEI IKLETSIRE LHDMFVDMAMLVESQGEMI

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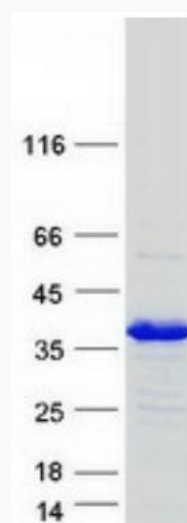
	DRIEYNVEHSVDYVERAVSDTKKAVKYQSKARRKKIMIIICCVVLGVVLAS SIGGTLGLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	SNARE interactions in vesicular transport
Full Length	Full L.
GENE INFORMATION	
Gene Name	STX1B syntaxin 1B [Homo sapiens (human)]
Official Symbol	STX1B
Synonyms	GEFSP9; STX1B1; STX1B2
Gene ID	112755

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mRNA Refseq	NM_052874.5
Protein Refseq	NP_443106.1
MIM	601485
UniProt ID	P61266



Coomassie blue staining of purified STX1B protein.