

## Product datasheet for **TP309124M**

### STX1B (NM\_052874) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human syntaxin 1B (STX1B), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC209124 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MKDRTQELRSKDSDDDEEVHVDRDHFMDFFEQVEEIRGCIEKLSERVEDVQVKKQHSAILAAPNPDEKT  
KQELEDLTADIKKTANKVRSKLAIEQSIEQEEGLNRSSADLRIRKTKQHSTLSRKFFVEVMTEYNATQSKY  
RDRCKDRIQRQLEITGRITTTNEELEDMLGKLAIFTDDIKMDSQMTKQALNEIETRHNEIIKLETSIRE  
LHDMFVDMAMLVESQGEMIDRIEYNVEHSVDYVERAVSDTKKAVKYQSKARRKKIMIIICCVLGVVLAS  
SIGGTLGL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 33.1 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:** [NP\\_443106](#)

**Locus ID:** 112755



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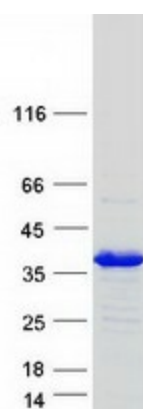
UniProt ID: [P61266](#)  
RefSeq Size: 4544  
Cytogenetics: 16p11.2  
RefSeq ORF: 864  
Synonyms: GEFSP9; STX1B1; STX1B2

**Summary:** 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. [provided by RefSeq, Jan 2015]

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** SNARE interactions in vesicular transport

### Product images:



Coomassie blue staining of purified STX1B protein (Cat# [TP309124]). The protein was produced from HEK293T cells transfected with STX1B cDNA clone (Cat# [RC209124]) using MegaTran 2.0 (Cat# [TT210002]).