

Recombinant Human STX1A Protein, MYC/DDK-tagged

Cat. No. STX1A-2988H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human STX1A protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes a member of the syntaxin superfamily. Syntaxins are nervous system-specific proteins implicated in the docking of synaptic vesicles with the presynaptic plasma membrane. Syntaxins possess a single C-terminal transmembrane domain, a SNARE [Soluble NSF (N-ethylmaleimide-sensitive fusion protein)-Attachment protein REceptor] domain (known as H3), and an N-terminal regulatory domain (Habc). Syntaxins bind synaptotagmin in a calcium-dependent fashion and interact with voltage dependent calcium and potassium channels via the C-terminal H3 domain. This gene product is a key molecule in ion channel regulation and synaptic exocytosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	28.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	STX1A syntaxin 1A (brain) [Homo sapiens]
Official Symbol	STX1A
Synonyms	HPC-1; P35-1; STX1; SYN1A
Gene ID	6804
mRNA Refseq	NM_001165903
Protein Refseq	NP_001159375
MIM	186590
UniProt ID	Q16623

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