

Recombinant Human Syntaxin 1A protein, 1-265aa

Cat. No. STX1A-13H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human STX1A was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-265aa
Description	STX1A, also as known as syntaxin 1A, is a synaptic protein implicated in docking of synaptic vesicles at presynaptic active zones. This protein plays a role in hormone and neurotransmitter exocytosis and may mediate Ca ²⁺ -regulation of exocytosis acrosomal reaction in sperm.
Form	Liquid
Molecular Mass	30.7 kDa (265aa) confirmed by MALDI-TOF
AA Sequence	MKDRTQELRTAKDSDDDDVAVTVDRDRFMDEFFEQVEEIRGFIDKIAENVEEVKRK HSAILASPNPDEKTKEELEELMSDIKKTANKVRSKLKSIEQSIEQEEGLNRSSADLRIR KTQHSTLSRKFFVEVMSEYNATQSDYRERCKGRIQRQLEITGRITTTSEELEDMLESG NPAIFASGIIMDSSISKQALSEIETRHSEIIKLENSIRELHDMFMDMAMLVESQGEMIDR IEYNVEHAVDYVERAVSDTKKAVKYQSKARRKK
Purity	> 95% by SDS-PAGE

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Applications	SDS-PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL (determined by Bradford assay)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT
References	1. Han X., et al. (2004) Science. 304:289-92 2. Woodbury DJ. et al. (2000) Cell Biology International. 24(11):809-18

GENE INFORMATION

Gene Name	STX1A syntaxin 1A (brain) [Homo sapiens (human)]
Official Symbol	STX1A
Synonyms	STX1A; syntaxin 1A (brain); STX1; syntaxin-1A; HPC 1; p35 1; neuron-specific antigen HPC-1; HPC-1; P35-1; SYN1A
Gene ID	6804
mRNA Refseq	NM_004603
Protein Refseq	NP_004594
MIM	186590

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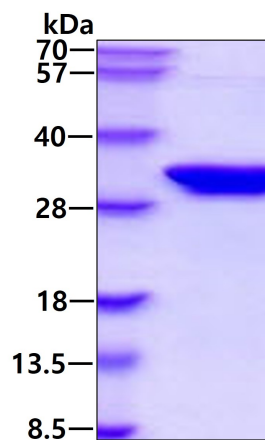
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UniProt ID

Q16623

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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