

## Recombinant Human Syntaxin 1A protein, 1-265aa

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human STX1A was expressed in E. coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-265aa
<b>Description</b>	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 <sup>2+</sup> -regulation of exocytosis acrosomal reaction in sperm.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	30.7 kDa (265aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MKDRTQELRTAKDSDDDDVAVTVDRDRFMDEFFEQVEEIRGFIDKIAENVEEVKRK HSAILASPNDPEKTKEELEELMSDIKKTANKVRSKLSIEQSIEQEEGLNRSSADLRIR KTQHSTLSRKFVEVMSEYNATQSDYRERCKGRIQRQLEITGRTTTTSEELEDMLESG NPAIFASGIIMDSSISKQALSEIETRHSEIIKLENSIRELHDMFMDMAMLVESQGEMIDR IEYNVEHAVDYVERAVSDTKKAVKYQSKARRKK
<b>Purity</b>	> 95% by SDS-PAGE

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Applications</b>	SDS-PAGE
<b>Notes</b>	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
<b>Storage</b>	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.
<b>Concentration</b>	1 mg/mL (determined by Bradford assay)
<b>Storage Buffer</b>	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT
<b>References</b>	<ol style="list-style-type: none"> <li>Han X., et al. (2004) Science. 304:289-92</li> <li>Woodbury DJ. et al. (2000) Cell Biology International. 24(11):809-18</li> </ol>

## GENE INFORMATION

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

 Tel: 1-631-559-9269 1-516-512-3133

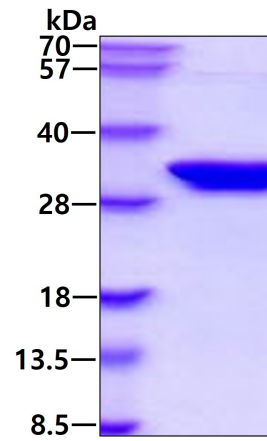
 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

Q16623

SDS-PAGE



3  $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA