

Syntaxin 1A Recombinant Protein | STX1A recombinant protein

Syntaxin 1A, 1-226aa, Human, E Coli

CATALOG # AAA48438	HOST E Coli	APPLICATIONS SDS-Page
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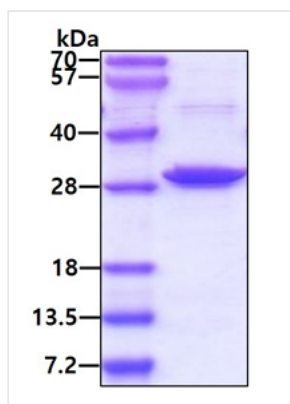
PRODUCT SYNONYMS

Syntaxin 1A; 1-226aa; Human; E Coli; STX1A; STX1; Neuron-specific antigen HPC-1; Syntaxin-1A; HPC 1; Neuron specific antigen HPC1; Syntaxin 1A brain.; STX1A recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid In 20mM Tris-HCl buffer (pH 7.5), 1mM DTT, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MKDRTQELRT AKDSDDDDV AVTVDRDRFM DEFFEQVEEI RGFIDKIAEN VEEVKRKHSA ILASPNPDEK TKEELEELMS DIKKTANKVR SKLKSIEQSI EQEEGLNRSS ADLRIRKQHL STLSRKFEV MSEYNATQSD YRERCKGRIQ RQLEITGRIT TSEELEDMLE SGNPAIFASG IIMDSSISKQ ALSEIETRHS EIIKLENSIR ELHDMFMDMA MLVESQ
Sequence Length	288
Applicable Applications for STX1A recombinant protein	SDS-PAGE
Tag	Non-tagged
Domain	1-226aa
Preparation and Storage	Can be stored at 2°C to 8°C for one week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3µg by SDS PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for STX1A recombinant protein	Syntaxin is membrane integrated Q-SNARE protein participating in exocytosis. Syntaxin is composed of an N-terminal regulatory domain (Habc), a SNARE domain (known as H3), and a single C-terminal transmembrane domain. The SNARE (H3) domain binds to both synaptobrevin and SNAP-25 forming the core SNARE complex. Recombinant syntaxin 1A protein (1-226aa) contains N-terminal domain (Habc) and t_SNARE domain (H3 domain) and this protein was overexpressed in E Coli and purified by using the conventional column chromatography techniques.
Product Categories/Family for STX1A recombinant protein	Neuroscience
References	Han X., et al. (2004) Science. 304:289-292; Woodbury DJ. et al. (2000) Cell Biology International. 24 (11):809-818.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759182
NCBI GeneID	6804
NCBI Accession #	NP_004594
NCBI GenBank Nucleotide #	NM_004603.3
UniProt Accession #	Q16623; O15447; O15448; Q12936; Q75MD9; Q7Z5K3; Q9BPZ6
Molecular Weight	26.1 kDa (226 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	syntaxin-1A isoform 1
NCBI Official Synonym Full Names	syntaxin 1A
NCBI Official Symbol	STX1A
NCBI Official Synonym Symbols	STX1; HPC-1; P35-1; SYN1A
NCBI Protein Information	syntaxin-1A
UniProt Protein Name	Syntaxin-1A
UniProt Gene Name	STX1A
UniProt Synonym Gene Names	STX1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.