

Syntaxin-1A Recombinant Protein | STX1A recombinant protein

Recombinant Human Syntaxin-1A (1-265 a.a)

CATALOG # AAA39155	HOST E Coli
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PRODUCT SYNONYMS

Syntaxin-1A; Recombinant Human Syntaxin-1A (1-265 a.a); STX1A (1-265) Human; Syntaxin 1A; Neuron-Specific Antigen HPC-1; Syntaxin 1A (Brain); STX1; HPC-1; P35-1; SYN1A; Syntaxin-1A (1-265 a.a) Human Recombinant; STX1A recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	Sterile filtered colorless solution. STX1A protein solution (1mg/ml) containing phosphate buffered saline (pH 7.4), 10% glycerol and 1mM DTT.
Sequence	MKDRTQELRT AKDSDDDDDV AVTVDRDRFM DEFFEQVEEI RGFIDKIAEN VEEVKRKHSA ILASPNPDEK TKEELEELMS DIKKTANKVR SKLKSIEQSI EQEGLNRSS ADLRIRKQTH STLSRKFEV MSEYNATQSD YRERCKGRIQ RQLEITGRTT TSEELEDMLE SGNPAIFASG IIMDSSISKQ ALSEIETRHS EIIKLENSIR ELHDMFMDMA MLVESQGEMI DRIEYNVEHA VDYVERAVSD TTKAVKYQSK ARKK
Sequence Length	251
Preparation and Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for STX1A recombinant protein	Description: STX1A Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 265 amino acids (1-265 a.a) and having a molecular mass of 30.7kDa. STX1A is purified by proprietary chromatographic techniques. Introduction: 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. Synaptic vesicles store neurotransmitters that are released during calcium-regulated exocytosis. The specificity of neurotransmitter release requires the localization of both synaptic vesicles and calcium channels to the presynaptic active zone. Syntaxins function in this vesicle fusion process. Syntaxins also serve as a substrate for botulinum neurotoxin type C, a metalloprotease that blocks exocytosis and has high affinity for a molecular complex that includes the alpha-latrotoxin receptor which produces exocytosis.
Product Categories/Family for STX1A recombinant protein	Recombinant & Natural Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	259906442
NCBI GeneID	6804
NCBI Accession #	NP_001159375.1
NCBI GenBank Nucleotide #	NM_001165903.1

UniProt Accession #	Q16623; O15447; O15448; Q12936; Q75MD9; Q7Z5K3; Q9BPZ6
NCBI Official Full Name	syntaxin-1A isoform 2
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.

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Online datasheet: <https://stage.aaabiotech.com/stx1a-recombinant-protein-e-coli/39155>