

Recombinant human Syntaxin 1A protein

Catalog Number: ATGP3392

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-265aa

UniProt No.

Q16623

NCBI Accession No.

NP_004594.1

Alternative Names

Syntaxin 1A, HPC-1, P35-1, STX1, SYN1A,, Neuron specific antigen HPC1, Neuron-specific antigen HPC-1, OTTHUMP00000174615, OTTHUMP00000174616, OTTHUMP00000174617, OTTHUMP00000174618, P35-1, STX1, STX1A, STX1A_HUMAN, SYN1A, Syntaxin 1A (brain), Syntaxin 1A brain, Syntaxin-1A

PRODUCT SPECIFICATION

Molecular Weight

30.7 kDa (265aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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 Ca²⁺-regulation of exocytosis acrosomal reaction in sperm. Recombinant human STX1A was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MKDRTQELRT AKDSDDDDDDV AVTVDRDRFM DEFFEQVEEI RGFIDKIAEN VEEVKRKHSA ILASPNPDEK TKEELEELMS
DIKKTANKVR SKLKSIEQSI EQEGLNRSS ADLRIRKQTH STLSRKFVEV MSEYNATQSD YRERCKGRIQ RQLEITGRTT
TSEELEDMLE SGNPAIFASG IIMDSSISKQ ALSEIETRHS EIIKLENSIR ELHDMFMDMA MLVESQGEMI DRIEYNVEHA
VDYVERAVSD TKKAVKYQSK ARKK

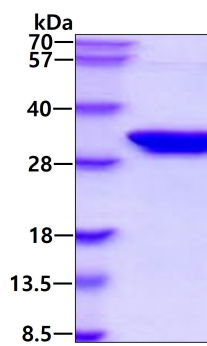
General References

Han X., et al. (2004) Science. 304:289-92

Woodbury DJ. et al. (2000) Cell Biology International. 24(11):809-18

DATA

SDS-PAGE



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