

STX1A, 1-265aa, Human, E.coli

Cat.NO.: TP04077

3th Edition

Synonyms:Syntaxin 1A , HPC-1, P35-1, STX1, SYN1A, , Neuron specific antigen HPC1, Neuron-specific antigen HPC-1OTTHUMP00000174615, OTTHUMP00000174616OTTHUMP00000174617, OTTHUMP00000174618P35-1.

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.

Form:Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol, 1mM DTT

Molecular Weight:30.7kDa (265aa), confirmed by MALDI-TOF

Sequences:

MKDRTQELRTAKDSDDDDVAVTVDRDRFMDEFFEQVEEIRGFIDKIAENVVEVKRKHSAILASPNPDEKTKEELEELMSDIKKTANKVRSKLSIEQSIEQEEGLNRSSADLRIRKTQHSTLSRKVFVEVMSEYNATQSDYRERCKGRIQRQLEITGRTTTSEELEDMLESGNPAIFASGIIMDSSISKQALSEIETRHSEIIKLENSIRELHDMFMDMAMLVESQGEMIDRIEYNVEHAVDYVERAVSDTKKAVKYQSKARRKK

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.