

Datasheet for ABIN934944
STX1A Protein (AA 1-226)



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1 Image

Overview

Quantity:	100 µg
Target:	STX1A
Protein Characteristics:	AA 1-226
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence: MKDRTQELRT AKDSDDDDDV AVTVDRDRFM DEFFEQVEEI RGFIDKIAEN VEEVKRKHSA
ILASPNPDEK TKEELEELMS DIKKTANKVR SKLKSIEQSI EQEEGLNRSS ADLRIRKTKH
STLSRKFEV MSEYNATQSD YRERCKGRIQ RQLEITGRIT TSEELEDMLE SGNPAIFASG
IIMDSSISKQ ALSEIETRHS EIIKLENSIR ELHDMFMDMA MLVESQ

Characteristics: Purified recombinant Human Syntaxin 1 A protein
Expression System: E.coli
Molecular weight on SDS-PAGE will appear higher.

Purity: > 95 % pure

Target Details

Target: STX1A
Alternative Name: Syntaxin 1A ([STX1A Products](#))

Target Details

Background: 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.

Alternative Names: STX1 protein, HPC 1 protein, Syntaxin A-1 protein, Syntaxin 1A protein, Neuron-specific protein HPC-1 protein, Syntaxin A-1, Syntaxin-1A protein, Neuron specific protein HPC1 protein, Syntaxin 1A brain., Syntaxin 1A, STX1A protein, Syntaxin A 1 protein, Syntaxin A 1, STX1 protein

Molecular Weight: 26.1 kDa (226 AA)

Pathways: [Peptide Hormone Metabolism](#), [Synaptic Membrane](#), [Synaptic Vesicle Exocytosis](#), [Dicarboxylic Acid Transport](#)

Application Details

Application Notes: Syntaxin 1A protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Supplied as a liquid in 20 mM Tris, pH 7.5, containing 0 mM DTT, and 10 % glycerol.

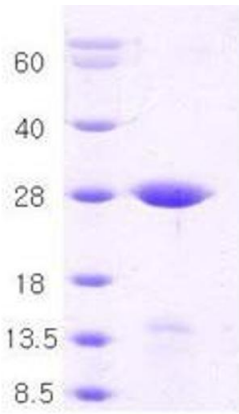
Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.