

Recombinant Human STX6, His-tagged

Cat. No. STX6-2343H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human STX6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	257aa
Description	STX6 belongs to the syntaxin family and contains 1 t-SNARE coiled-coil homology domain. This protein is involved in intracellular vesicle trafficking. STX6 binds EEA1 and Interacts with VPS45A, MARCH2, MARCH3 and GOPC. It is identified in a complex containing STX6, STX12, VAMP4 and VTI1A.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT
Molecular Mass	29.2kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSMEDPF FVVKGEVQKA VNTAQGLFQR WTELLQDPST ATREEIDWTT NELRNNLRSI EWDLEDLDETISIVEANPRK FNLDATELSI RKAFITSTRQ VVRDMKDQMS TSSVQALAER KNRQALLGDS GSQNWSTGTT DKYGRDLREL QRANSHFIEE QQAQQQLIVE QQDEQLELVS GSIGVLKNMS QRIGGELEEQ AVMLEDFSHE LESTQSRLDN VMKKLAKVSH MTSDRRQ

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	0.5 mg/ml

GENE INFORMATION

Gene Name	STX6 syntaxin 6 [Homo sapiens]
Official Symbol	STX6
Synonyms	STX6; syntaxin 6; syntaxin-6;
Gene ID	10228
mRNA Refseq	NM_005819
Protein Refseq	NP_005810
MIM	603944
UniProt ID	O43752
Chromosome Location	1q25.3
Pathway	Botulinum neurotoxicity, organism-specific biosystem; Disease, organism-specific biosystem; Neuronal System, organism-specific biosystem; Proteolytic cleavage of

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SNARE complex proteins, organism-specific biosystem; SNARE interactions in vesicular transport, organism-specific biosystem; SNARE interactions in vesicular transport, conserved biosystem;

Function

SNAP receptor activity; protein binding;

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