

Recombinant human Syntaxin 6 protein

Catalog Number: ATGP2343

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-234aa

UniProt No.

O43752

NCBI Accession No.

NP_005810

Alternative Names

syntaxin 6

PRODUCT SPECIFICATION

Molecular Weight

29.2 kDa (257aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

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

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 VT11A. Recombinant human STX6 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMSMEDPF FVVKGEVQKA VNTAQGLFQR WTELLQDPST ATREEIDWTT NELRNNLRSI
EWDLEDLDET ISIVEANPRK FNLDATELSI RKAFITSTRQ VVRDMKDQMS TSSVQALAER KNRQALLGDS GSQNWSTGTT
DKYGRDLREL QRANSHFIEE QQAQQQLIVE QQDEQLELVS GSIGVLKNMS QRIGGELEEQ AVMLEDFSHE LESTQSRLDN
VMKKLAKVSH MTSDRRQ

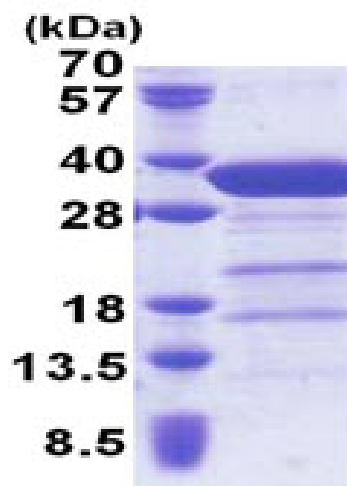
General References

Jung,J.J., et al. (2012) Biosci. Rep. 32 (4), 383-391

Tiwari,A., et al. (2011) J. Biol. Chem. 286 (42), 36749-36761

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)