PRODUCT INFORMATION

Expression system E.coli

Domain 1-234aa

UniProt No. 043752

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 VTI1A. Recombinant human STX6 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



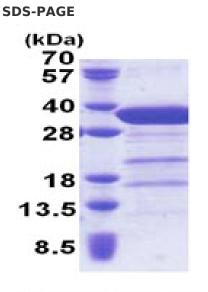
Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMSMEDPF FVVKGEVQKA VNTAQGLFQR WTELLQDPST ATREEIDWTT NELRNNLRSI EWDLEDLDET ISIVEANPRK FNLDATELSI RKAFITSTRQ VVRDMKDQMS TSSVQALAER KNRQALLGDS GSQNWSTGTT DKYGRLDREL 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



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

15% SDS-PAGE (3ug)