Recombinant human Sorting Nexin 1/SNX1 protein

Catalog Number: ATGP0697

PRODUCT INFORMATION

Expression system
E.coli

Domain
146-522aa

UniProt No.
Q13596

NCBI Accession No.
NP_003090.2

Alternative Names
Sorting nexin-1, HsT17379, SNX1A, Vps5

PRODUCT SPECIFICATION

Molecular Weight
48.0 kDa (415aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl,1mM 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
SNX1 (Sorting nexin 1) is a member of a large family of hydrophilic proteins that interact with a variety of receptor types and are involved in intracellular trafficking. SNX1 and the related splice variant, SNX1A, bind the epidermal growth factor (EGF) receptor, facilitate its transport to lysosome, and thereby contribute to the degradation of the receptor. This protein is all partially associated with cellular membranes, and they, likewise, associate with EGF, PDGF and Insulin receptor tyrosine kinases. Recombinant human SNX1 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

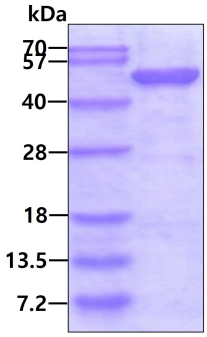
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGGSM>TV GITDPEKIGD GMNAYVAYKV TTQTSLPLFR SKQFAVKRRF SDFLGLYEKL SEKHSQNGFI VPPPPEKSLI GMTKVKVGKE DSSSAEFLEK RRAALERYLQ RIVNHPTMLQ DPDVREFLEK EELPRAVGTQ TLSGAGLLKM FNKATDAVSK MTIKMNESDI WFEEKLQEVE CEEQRLRKLH AVVETLVNHR KELALNTAQF AKSLAMLGSS EDNTALSRAL SQLAEVEEKI EQLHQEQANN DFFLLAELLS DYIRLLAIVR AAFDQRMKTW QRWQDAQATL QKKREAEARL LWANKPDKLQ QAKDEILEWE SRVTQYERDF ERISTVVRKE VIRFEKEKSK DFKNHVIKYL ETLLYSQQQL AKYWEAFLPE AKAIS

General References

Kurten RC, et al.. (1996) Science 272 (5264): 1008-10
Parks WT, et al. (2001) J. Biol. Chem. 276 (22): 19332-9

DATA

SDS-PAGE



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