Recombinant human SNX5 protein

Catalog Number: ATGP3065

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-404aa

UniProt No.
Q9Y5X3

NCBI Accession No.
NP_689413

Alternative Names
Sorting nexin-5 isoform a, Sorting nexin 5, snx 5

PRODUCT SPECIFICATION

Molecular Weight
49.2 kDa (427aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 20% glycerol, 1mM DTT

Purity
> 85% 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
SNX5 also known as sorting nexin-5, is a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This protein is a component of the mammalian retromer complex, which facilitates cargo retrieval from endosomes to the trans-Golgi network. It has also been shown to bind to the Fanconi anemia, complementation group A protein. Recombinant human SNX5, 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

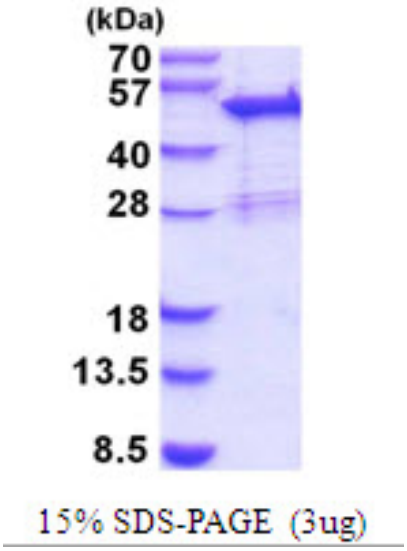
MGSSHHHHHH SSGLVPRGSH MGSMAAVPEL LQQQEEDRSK LRSVSVDLNV DPSLQIDIPD ALSERDKVKF TVHTKTTLPT FQSPEFSVTR QHEDFVWLHD TLIETTDYAG LIIPPAPTKP DFDGPREKMQ KLGEGEGSMT KEEFAKMKQE LEAEYLAVFK KTVSSHEVFL QRLSSHPVLS KDRNFHVFLE YDQDLSVRRK NTKEMFGGFF KSVVKSADEV LFTGVKEVDD FFEQEKNFLI NYYNRIKDSC VKADKMTRSH KNVADDYIHT AACLHSLALE EPTVIKKYLL KVAELFEKLR KVEGRVSSDE DLKLTELLRY YMLNIEAAKD LLYRRTKALI DYENSNKALD KARLKSKDVK LAEAHQQECC QKFEQLSESA KEELINFKRK RVAAFRKNLI EMSELEIKHA RNNVSLLQSC IDLFKNN

General References

Wassmer T., et al. (2007) J Cell Sci. 120:45-54
Otsuki T., et al. (1999) Biochem Biophys Res Commun. 265:630-635.

DATA

SDS-PAGE



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