

Recombinant Human SNX5, His-tagged

Cat. No. SNX5-45H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SNX5, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
Form	Liquid. In phosphate buffered saline (pH7.4) containing 20% glycerol, 1mM DTT.
Molecular Mass	49.2kDa (427aa) confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAAVPEL LQQQEEDRSK LRSVSVDLNV DPSLQIDIPD ALSERDKVKF TVHTKTTLPT FQSPEFSVTR QHEDFVWLHD TLIETTDYAG LIIPPAPTKP DFDGPREKMQ KLGEGEESMT KEEFAKMKQE LEAEYLAVFK KTVSSHEVFL QRLSSHPVLS KDRNFHVFL EYDQDLSVRRK NTKEMFGGFF KSVVKSADDEV LFTGVKEVDD FFEQEKNFLI NYYNRIKDSC VKADKMTRSH KNVADDYIHT AACLHSLALE EPTVIKKYLL KVAELFEKLR KVEGRVSSDE DLKLTLLRY YMLNIEAAKD LLYRRTKALI DYENSNKALD

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KARLKSQDVK LAEAHQEQCC QKFEQLSESA KEELINFKRK RVAAFRKNLI
EMSELEIKHA RNNVSLQSC IDLFKNN

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.25mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [SNX5 sorting nexin 5 \[Homo sapiens \]](#)

Official Symbol SNX5

Synonyms SNX5; sorting nexin 5; sorting nexin-5; FLJ10931;

Gene ID [27131](#)

mRNA Refseq [NM_014426](#)

Protein Refseq [NP_055241](#)

MIM [605937](#)

UniProt ID [Q9Y5X3](#)

Chromosome Location 20p11

Pathway Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated

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Vesicle Biogenesis, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem; trans-Golgi Network Vesicle Budding, organism-specific biosystem;

Function

lipid binding; phosphatidylinositol binding; phosphatidylinositol binding;

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