

Recombinant Human Sorting Nexin 1, His-tagged

Cat. No. SNX1-2800H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SNX1 protein (146-522aa), fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	146-522 a.a.
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.
Sequences	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.

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Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol.
Molecular Weight	48.0 kDa (415aa),confirmed by MALDI-TOF.
Purity	> 90% by SDS – PAGE.
Concentration	0.25 mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	SNX1 sorting nexin 1 [Homo sapiens]
Synonyms	SNX1;sorting nexin 1; sorting nexin 1A; sorting nexin-1; Vps5; SNX1A; MGC8664; HsT17379
Gene ID	6642
mRNA Refseq	NM_003099
Protein Refseq	NP_003090
MIM	601272
UniProt ID	Q13596
Chromosome Location	15q22.31

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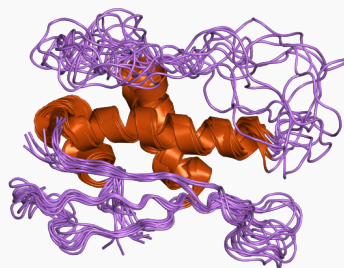
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Function

phosphoinositide binding; protein binding; protein transporter activity

PDB rendering based
on 2i4k.



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