

# 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  
 EDNTALSRL SQLAEVEEKI EQLHQEQANN DFFLLAELLS DYIRLLAIVR  
 AAFDQRMKTW QRWQDAQATL QKKREAEARL LWANKPDKLQ QAKDEILEWE  
 SRVTQYERDF ERISTVVRKE VIRFEKEKSK DFKNHVIKYL ETLLYSQQQL  
 AKYWEAFLPE AKAIS.

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<b>Form</b>	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl, 1mM DTT, 10% glycerol.
<b>Molecular Weight</b>	48.0 kDa (415aa), confirmed by MALDI-TOF.
<b>Purity</b>	> 90% by SDS – PAGE.
<b>Concentration</b>	0.25 mg/ml (determined by Bradford assay).
<b>Storage</b>	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.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	SNX1 sorting nexin 1 [ Homo sapiens ]
<b>Synonyms</b>	SNX1; sorting nexin 1; sorting nexin 1A; sorting nexin-1; Vps5; SNX1A; MGC8664; HsT17379
<b>Gene ID</b>	6642
<b>mRNA Refseq</b>	NM_003099
<b>Protein Refseq</b>	NP_003090
<b>MIM</b>	601272
<b>UniProt ID</b>	Q13596
<b>Chromosome Location</b>	15q22.31

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**Function**

phosphoinositide binding; protein binding; protein transporter activity

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