

Recombinant Human SNX1, His-tagged

Cat. No. SNX1-30609TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 146-522 of Human SNX1 with an N terminal His tag; 415 amino acids with tag, Predicted MWt 48 kDa.
Species	Human
Source	E.coli
ProteinLength	146-522 aa
Description	This gene encodes 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 endosomal protein regulates the cell-surface expression of epidermal growth factor receptor. This protein also has a role in sorting protease-activated receptor-1 from early endosomes to lysosomes. This protein may form oligomeric complexes with family members. This gene results in three transcript variants encoding distinct isoforms.
Conjugation	HIS
Molecular Weight	48.000kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGGSMTVGITDPEKIGDGMN AYVAYKVTTQTSLPLFRSKQFAVKRRFSDFLGLYEKLSEKHSQNGFIVPPPPEKSLIG MTKVKVGKEDSSSAEFLEKRRAALERYLQRVNHPTMLQDPDVREFLEKEELPRAV GTQTLSGAGLLKMFNKATDAVSKMTIKMNESDIWFEEKLQEVECEEQRLRKLHAVV ETLVNHRKELALNTAQFAKSLAMLGSSSEDNTALSRALSQLAEEVEEKIEQLHQEQANN DFFLLAELLSDYIRLLAIVRAAFDQRMKTWQRWQDAQATLQKKREAEARLLWANKP DKLQQAQKDEILEWESRVTVQYERDFERISTVVRKEVIRFEKEKSKDFKNHVIKYLETLL YSQQQLAKYWEAFLPEAKAIS
Sequence Similarities	Belongs to the sorting nexin family. Contains 1 BAR domain. Contains 1 PX (phox homology) domain.

GENE INFORMATION

Gene Name	SNX1 sorting nexin 1 [Homo sapiens]
Official Symbol	SNX1
Synonyms	SNX1; sorting nexin 1; sorting nexin-1; HsT17379; MGC8664; SNX1A; Vps5;
Gene ID	6642
mRNA Refseq	NM_001242933
Protein Refseq	NP_001229862

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MIM	601272
Uniprot ID	Q13596
Chromosome Location	15q22.31
Pathway	TGF-beta Receptor Signaling Pathway, organism-specific biosystem;
Function	lipid binding; phosphatidylinositol binding; protein binding; protein transporter activity;

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