

## Recombinant Human SNX1, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	146-522 aa
<b>Description</b>	<p>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.</p>
<b>Conjugation</b>	HIS
<b>Molecular Weight</b>	48.000kDa inclusive of tags
<b>Form</b>	Liquid
<b>Purity</b>	>90% by SDS-PAGE

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

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">SNX1 sorting nexin 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">SNX1</a>
<b>Synonyms</b>	SNX1; sorting nexin 1; sorting nexin-1; HsT17379; MGC8664; SNX1A; Vps5;
<b>Gene ID</b>	<a href="#">6642</a>
<b>mRNA Refseq</b>	<a href="#">NM_001242933</a>
<b>Protein Refseq</b>	<a href="#">NP_001229862</a>

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

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