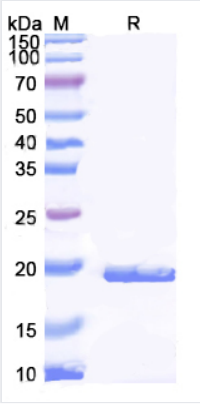
SNX2 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	SNX2, Recombinant Protein
Full Product Name	Recombinant Human SNX2 Protein, N-His
Product Gene Name	SNX2 recombinant protein
Product Synonym Names	Sorting nexin-2; Transformation-related gene 9 protein; TRG-9; SNX2; TRG9
Sequence	Asp125-Ser 277
Host	E coli
Form/Format	Lyophilized from a solution in PBS pH 7.4, 0.02% NLS, 1mM EDTA, 4% Trehalose, 1% Mannitol.
Purity/Purification	>90% as determined by SDS-PAGE.
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 degree C for frequent use. Store at -20 to -80 degree C for twelve months from the date of receipt.
Molecular Weight	46,098 Da
3D Structure	ModBase 3D Structure for O60749
Species	Homo sapiens (Human)
Reconstitution	Reconstitute in sterile water for a stock solution. A copy of datasheet will be provided with the products, please refer to it for details.
Product Categories/Family for SNX2 recombinant protein	Recombinant Protein; Other Proteins; Proteins
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for SNX2 recombinant protein	ELISA (EIA), Immunogen, SDS-PAGE, Western Blot (WB), Bioactivity testing in progress
Related Product Information for SNX2 recombinant protein	MBS1587219 is a recombinant protein targeting SNX2. Also known as Recombinant Human SNX2 Protein, N-His. Host: E coli.
Other Notes	Small volumes of SNX2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of SNX2 recombinant protein
SDS-PAGE for Recombinant Human SNX2 protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNX2. It may not necessarily be applicable to this product.

NCBI GI #	2827434
NCBI GeneID	6643
NCBI Accession #	AAB99852.1
UniProt Primary Accession #	O60749
UniProt Secondary Accession #	O43650; P82862; Q53XK8; Q597H6; Q9BTS8; B3KN44; B4DEK4; B7Z408
UniProt Related Accession #	O60749
NCBI Official Full Name	sorting nexin 2
NCBI Official Synonym Full Names	sorting nexin 2
NCBI Official Symbol	SNX2
NCBI Official Synonym Symbols	TRG-9
UniProt Protein Name	Sorting nexin-2
UniProt Synonym Protein Names	Transformation-related gene 9 protein; TRG-9
Protein Family	Sorting nexin
UniProt Gene Name	SNX2
UniProt Synonym Gene Names	TRG-9
NCBI Protein Information	sorting nexin-2
NCBI Summary for SNX2	This gene belongs to the sorting nexin family whose members contain the phosphoinositide-binding phox (PX) domain. The encoded protein is a component of the retromer complex which plays a role in protein sorting in the endocytic pathway. This protein may form oligomeric complexes with other family members. Alternate splicing results in multiple transcript variants of this gene. Pseudogenes associated with this gene are located on chromosomes 1 and 7. [provided by RefSeq, May 2013]
UniProt Comments for SNX2	Involved in several stages of intracellular trafficking. Interacts with membranes containing phosphatidylinositol 3-phosphate (PtdIns(3P)) or phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2) (PubMed:16179610). Acts in part as component of the retromer membrane-deforming SNX-BAR subcomplex (PubMed:17101778). The SNX-BAR retromer mediates retrograde transport of cargo proteins from endosomes to the trans-Golgi network (TGN) and is involved in endosome-to-plasma membrane transport for cargo protein recycling. The SNX-BAR subcomplex functions to deform the donor membrane into a tubular profile called endosome-to-TGN transport carrier (ETC) (Probable). Can sense membrane curvature and has in vitro vesicle-to-membrane remodeling activity (PubMed:23085988). Required for retrograde endosome-to-TGN transport of TGN38 (PubMed:20138391). Promotes KALRN- and RHOG-dependent but retromer-independent membrane remodeling such as lamellipodium formation; the function is dependent on GEF activity of KALRN (PubMed:20604901).
Research Articles on SNX2	**1.** SNX2 is highly expressed in 73.3% Graves disease patients and in 93.8% thyroid nodule patients.
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