SNX9 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	SNX9, Lysate
Full Product Name	Human SNX9 Protein Lysate
Product Gene Name	SNX9 lysate
Product Synonym Names	SNX9; SDP1; SH3PX1; SH3PXD3A; WISP
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	66,592 Da
OMIM	605952
3D Structure	ModBase 3D Structure for Q9Y5X1
Related Product Information for SNX9 lysate	Human SNX9 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of SNX9 lysate 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.
Searchable Terms for SNX9 purchase	MBS8419976 is a lysate targeting SNX9. Also known as Human SNX9 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNX9. It may not necessarily be applicable to this product.

NCBI GI #	7706706
NCBI GeneID	51429
NCBI Accession #	NP_057308
UniProt Primary Accession #	Q9Y5X1
UniProt Secondary Accession #	Q9BSI7; Q9BVM1; Q9UJH6; Q9UP20
UniProt Related Accession #	Q9Y5X1
GenBank Nucleotide #	NM_016224
NCBI Official Full Name	sorting nexin-9
NCBI Official Synonym Full Names	sorting nexin 9
NCBI Official Symbol	SNX9
NCBI Official Synonym Symbols	SDP1; WISP; SH3PX1; SH3PXD3A
UniProt Protein Name	Sorting nexin-9
UniProt Synonym Protein Names	SH3 and PX domain-containing protein 1; Protein SDP1; SH3 and PX domain-containing protein 3A

Protein Family	Sorting nexin
UniProt Gene Name	SNX9
UniProt Synonym Gene Names	SH3PX1; SH3PXD3A; Protein SDP1
UniProt Entry Name	SNX9_HUMAN
NCBI Protein Information	sorting nexin-9; SH3 and PX domain-containing protein 1; SH3 and PX domain-containing protein 3A; Wiskott-Aldrich syndrome protein (WASP) interactor protein
UniProt Comments for SNX9	SNX9: May be involved in several stages of intracellular trafficking. Plays a role in endocytosis via clathrin-coated pits, but also clathrin-independent, actin-dependent fluid-phase endocytosis. Plays a role in macropinocytosis. Promotes internalization of TNFR. Promotes degradation of EGFR after EGF signaling. Stimulates the GTPase activity of DNM1. Promotes DNM1 oligomerization. Promotes activation of the Arp2/3 complex by WASL, and thereby plays a role in the reorganization of the F- actin cytoskeleton. Binds to membranes enriched in phosphatidylinositol 4,5-bisphosphate and promotes membrane tubulation. Has lower affinity for membranes enriched in phosphatidylinositol 3-phosphate. Belongs to the sorting nexin family. Protein type: Vesicle Chromosomal Location of Human Ortholog: 6q25.3 Cellular Component: ruffle; extrinsic to internal side of plasma membrane; cytoplasmic vesicle membrane; clathrin-coated vesicle; cytoplasmic membrane-bound vesicle; cytoplasm; plasma membrane; trans-Golgi network; endosome Molecular Function: protein binding; protein homodimerization activity; ubiquitin protein ligase binding; phosphoinositide binding; phosphatidylinositol binding Biological Process: mitosis; intracellular protein transport; receptor-mediated endocytosis; positive regulation of protein oligomerization; cytokinesis after mitosis; positive regulation of protein kinase activity; vesicle organization and biogenesis; endocytosis; endosome transport; positive regulation of membrane protein ectodomain proteolysis; positive regulation of GTPase activity
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