SNX27 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	SNX27, Blocking Peptide
Full Product Name	SNX27 Peptide - N-terminal region
Product Gene Name	SNX27 blocking peptide
Product Synonym Gene Name	MRT1; MY014
Sequence	Synthetic peptide located within the following region: PSAPHRNGGG GGGGGSGLHC AGNGGGGGGG PRVVRIVKSE SGYGFNVRGQ
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	SNX27 peptide (MBS3246524) is used for blocking the activity of SNX27 antibody (MBS3221798)
Molecular Weight	59 kDa
OMIM	611541
Product Categories/Family for SNX27 blocking peptide	Peptide
Related Product Information for SNX27 blocking peptide	This is a synthetic peptide designed for use in combination with anti- SNX27 Antibody, made Target Description: This gene encodes a member of the sorting nexin family, a diverse group of cytoplasmic and membrane-associated proteins involved in endocytosis of plasma membrane receptors and protein trafficking through these compartments. All members of this protein family contain a phosphoinositide binding domain (PX domain). A highly similar protein in mouse is responsible for the specific recruitment of an isoform of serotonin 5-hydroxytryptamine 4 receptor into early endosomes, suggesting the analogous role for the human protein.
Other Notes	Small volumes of SNX27 blocking peptide 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 SNX27 purchase	MBS3246524 is a blocking peptide targeting SNX27. Also known as SNX27 Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNX27. It may not necessarily be applicable to this product.

NCBI GI #	31742501
NCBI GeneID	81609
NCBI Accession #	NP_112180.4
UniProt Primary Accession #	Q96L92
UniProt Related Accession #	Q96L92
GenBank Nucleotide #	NM_030918.5
NCBI Official Full Name	sorting nexin-27 isoform 2

NCBI Official Synonym Full Names	sorting nexin family member 27
NCBI Official Symbol	SNX27
NCBI Official Synonym Symbols	MRT1; MY014
UniProt Protein Name	Sorting nexin-27
Protein Family	Sorting nexin
UniProt Gene Name	SNX27
UniProt Synonym Gene Names	KIAA0488
UniProt Entry Name	SNX27_HUMAN
NCBI Protein Information	sorting nexin-27
NCBI Summary for SNX27	This gene encodes a member of the sorting nexin family, a diverse group of cytoplasmic and membrane-associated proteins involved in endocytosis of plasma membrane receptors and protein trafficking through these compartments. All members of this protein family contain a phosphoinositide binding domain (PX domain). A highly similar protein in mouse is responsible for the specific recruitment of an isoform of serotonin 5-hydroxytryptamine 4 receptor into early endosomes, suggesting the analogous role for the human protein. [provided by RefSeq, Jul 2008]
Research Articles on SNX27	**1.** data reveal a role for SNX27 in glutamine uptake and amino acid-stimulated mTORC1 activation via modulation of ASCT2 intracellular trafficking
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