LMAN2 Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	LMAN2, Blocking Peptide
Full Product Name	LMAN2 Antibody (C-term) Blocking Peptide
Product Gene Name	LMAN2 blocking peptide
Product Synonym Gene Name	C5orf8
Product Synonym Names	Vesicular integral-membrane protein VIP36; Glycoprotein GP36b; Lectin mannose-binding 2; Vesicular integral-membrane protein 36; VIP36; LMAN2; C5orf8
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	LMAN2 peptide (MBS9221620) is used for blocking the activity of LMAN2 antibody (MBS9206521)
Molecular Weight	40,229 Da
OMIM	609551
Cellular Location	Endoplasmic reticulum-Golgi intermediate compartment membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein
Tissue Location	Ubiquitous.
Related Product Information for LMAN2 blocking peptide	Plays a role as an intracellular lectin in the early secretory pathway. Interacts with N-acetyl-D-galactosamine and high-mannose type glycans and may also bind to O-linked glycans. Involved in the transport and sorting of glycoproteins carrying high mannose-type glycans (By similarity).
Other Notes	Small volumes of LMAN2 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 LMAN2 purchase	MBS9221620 is a blocking peptide targeting LMAN2. Also known as LMAN2 Antibody (C-term) Blocking Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LMAN2. It may not necessarily be applicable to this product.

NCBI GI #	21264108
NCBI GeneID	10960
NCBI Accession #	Q12907.1
UniProt Primary Accession #	Q12907
UniProt Secondary Accession #	Q53HH1
UniProt Related Accession #	Q12907
NCBI Official Full Name	Vesicular integral-membrane protein VIP36
NCBI Official Synonym Full Names	lectin, mannose binding 2
NCBI Official Symbol	LMAN2

NCBI Official Synonym Symbols	GP36B; VIP36; C5orf8
UniProt Protein Name	Vesicular integral-membrane protein VIP36
UniProt Synonym Protein Names	Glycoprotein GP36b; Lectin mannose-binding 2; Vesicular integral-membrane protein 36; VIP36
Protein Family	Vesicular integral-membrane protein
UniProt Gene Name	LMAN2
UniProt Synonym Gene Names	C5orf8; VIP36
UniProt Entry Name	LMAN2_HUMAN
NCBI Protein Information	vesicular integral-membrane protein VIP36
NCBI Summary for LMAN2	This gene encodes a type I transmembrane lectin that shuttles between the endoplasmic reticulum, the Golgi apparatus and the plasma membrane. The encoded protein binds high mannose type glycoproteins and may facilitate their sorting, trafficking and quality control. [provided by RefSeq, Oct 2008]
UniProt Comments for LMAN2	LMAN2: Plays a role as an intracellular lectin in the early secretory pathway. Interacts with N-acetyl-D-galactosamine and high-mannose type glycans and may also bind to O-linked glycans. Involved in the transport and sorting of glycoproteins carrying high mannose-type glycans. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 5q35.3 Cellular Component: cell surface; ER-Golgi intermediate compartment; extracellular space; Golgi apparatus; integral to plasma membrane Molecular Function: carbohydrate binding; glycoprotein binding; heat shock protein binding; mannose binding Biological Process: positive regulation of phagocytosis; retrograde vesicle-mediated transport, Golgi to ER
Research Articles on LMAN2	**1.** Interaction with VIP36 is dependent on glycosylation at the same sites that allow GC-C to fold and bind ligand.
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