LMAN2L Recombinant Protein

PRODUCT OVERVIEW

Product Name	LMAN2L, Recombinant Protein
Full Product Name	LMAN2L Protein, Human, Recombinant (His Tag)
Product Gene Name	LMAN2L recombinant protein
Product Synonym Names	Human LMAN2L Protein (His Tag); VIPL Protein, Human; lectin, mannose-binding 2-like
Sequence	Met1-Ala30 4
Host	HEK293 Cells
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Purity/Purification	>85% as determined by SDS-PAGE
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.
Molecular Weight	39,711 Da
OMIM	609552
3D Structure	ModBase 3D Structure for Q9H0V9
Species	Human
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Gly 45
Tag	C-His
Protein Construction	A DNA sequence encoding the human LMAN2L (Q9H0V9-1)(Met1-Ala304) was expressed with a polyhistidine tag at the C-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Related Product Information for LMAN2L recombinant protein	Background: LMAN2L (Lectin, Mannose Binding 2 Like) is a Protein Coding gene. This gene encodes a protein belonging to the L-type lectin group of type 1 membrane proteins, which function in the mammalian early secretory pathway. LMAN2L contains 1 L-type lectin-like domain and is expressed in numerous tissues. It is highly expressed in skeletal muscle and kidney, and its intermediate expression levels in heart, liver, and placenta, low levels in brain, thymus, spleen, small intestine, and lung. LMAN2L may be involved in the regulation of export from the endoplasmic reticulum of a subset of glycoproteins. It also may function as a regulator of ERGIC-53. LMAN2L gene may be modulated by acetylation; phosphorylation, as detailed at PhosphoSite. Alternative splicing produces 2 isoforms of the human protein. LMAN2L localize in various compartments.
Product References and Citations for LMAN2L recombinant protein	Hartley JL, et al. (2001) DNA cloning using in vitro site-specific recombination. Genome Res. 10 (11):1788-95.Suzuki Y, et al. (1997) Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene. 200(1-2):149-56.Maruyama K, et al. (1994) Oligo-capping: a simple method to replace the cap structure of eukaryotic mRNAs with oligoribonucleotides. Gene. 138(1-2):171-4.

Other Notes	Small volumes of LMAN2L 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.
Searchable Terms for LMAN2L purchase	MBS8121550 is a recombinant protein targeting LMAN2L. Also known as LMAN2L Protein, Human, Recombinant (His Tag). Host: HEK293 Cells.



SDS-Page of LMAN2L recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LMAN2L. It may not necessarily be applicable to this product.

NCBI GI #	214010240
NCBI GeneID	81562
NCBI Accession #	NP_001135764.1
UniProt Primary Accession #	Q9H0V9
UniProt Secondary Accession #	Q53GV3; Q53S67; Q63HN6; Q8NBQ6; Q9BQ14; B4DSH3; D3DXH6
UniProt Related Accession #	Q9H0V9
GenBank Nucleotide #	NM_001142292.1
NCBI Official Full Name	VIP36-like protein isoform 1
NCBI Official Synonym Full Names	lectin, mannose-binding 2-like
NCBI Official Symbol	LMAN2L
NCBI Official Synonym Symbols	VIPL
UniProt Protein Name	VIP36-like protein
UniProt Synonym Protein Names	Lectin mannose-binding 2-like; LMAN2-like protein
Protein Family	VIP36-like protein
UniProt Gene Name	LMAN2L
UniProt Synonym Gene Names	VIPL; PSEC0028; UNQ368/PRO704; LMAN2-like protein
UniProt Entry Name	LMA2L_HUMAN
NCBI Protein Information	VIP36-like protein; LMAN2-like protein
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