

Human LMAN2L Protein (Fc Tag)

Catalog Number: 13822-H02H



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

VIPL; A630028F14Rik; VIP36-like; VIPL

Protein Construction:

A DNA sequence encoding the human LMAN2L (NP_110432.1) (Met1-Ala304) was expressed with the Fc region of human IgG1 at the C-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

Purity: > 80 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Gly 45

Molecular Mass:

The recombinant human LMAN2L/Fc is a disulfide-linked homodimer. The reduced monomer comprises 501 amino acids and has a predicted molecular mass of 56.9 kDa. The apparent molecular mass of the protein is approximately 63 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

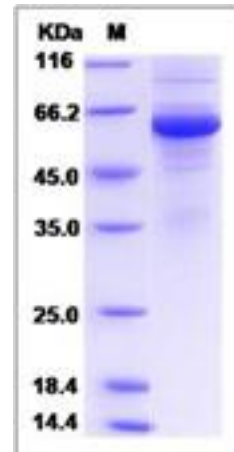
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

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.

References

- 1.Hartley JL, *et al.* (2001) DNA cloning using in vitro site-specific recombination. *Genome Res.* 10 (11):1788-95.
- 2.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.
- 3.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.

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