Full-Length

LMAN1 (Human) Recombinant Protein (P01)

Catalog # H00003998-P01 Size 50 ug

Specification

Product Description	Human LMAN1 full-length ORF (BAG35721.1, 1 a.a. - 510 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAGSRQRGLRARVRPLFCALLLSLGRFVRGDGVGGDPAVALPHRRFEYKYSFKGPHLVQSDGT VPFWAHAGNAIPSSDQIRVAPSLKSQRGSVWTKTKAAFENWEVEVTFRVTGRGRIGADGLAIWYA ENQGLEGPVFGSADLWNGVGIFFDSFDNDGKKNNPAIVIIGNNGQIHYDHQNDGASQALASCQRD FRNKPYPVRAKITYYQNTLTVMINNGFTPDKNDYEFCAKVENMIIPAQGHFGISAATGGLADDHDVL SFLTFQLTEPGKEPPTPDKEISEKEKEKYQEEFEHFQQELDKKKEEFQKGHPDLQGQPAEEIFES VGDRELRQVFEGQNRIHLEIKQLNRQLDMILDEQRRYVSSLTEEISKRGAGMPGQHGQITQQELDT VVKTQHEILRQVNEMKNSMSEAVRLVSGMQHPGSAGGVYETTQHFIDIKEHLHIVKRDIDNLVQRN MPSNEKPKCPELPPFPSCLSTVHFIIFVVVQTVLFIGYIMYRSQQEAAAKKFF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	83.9
Interspecies Antigen Sequence	Mouse (87); Rat (87)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)

- Antibody Production
- Protein Array

Gene Info — LMAN1

Entrez GeneID	3998
GeneBank Accession#	AK312869.1
Protein Accession#	BAG35721.1
Gene Name	LMAN1
Gene Alias	ERGIC-53, ERGIC53, F5F8D, FMFD1, MCFD1, MR60, gp58
Gene Description	lectin, mannose-binding, 1
Omim ID	227300 601567
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a type I integral membrane protein localized in the intermedia te region between the endoplasmic reticulum and the Golgi, presumably recycling between the tw o compartments. The protein is a mannose-specific lectin and is a member of a novel family of pl ant lectin homologs in the secretory pathway of animal cells. Mutations in the gene are associated with a coagulation defect. Using positional cloning, the gene was identified as the disease gene l eading to combined factor V-factor VIII deficiency, a rare, autosomal recessive disorder in which both coagulation factors V and VIII are diminished. [provided by RefSeq
Other Designations	coagulation factor V-factor VIII combined deficiency|endoplasmic reticulum-golgi intermediate co mpartment protein 53|intracellular mannose specific lectin

Disease

- Bacteremia
- Birth Weight
- Cardiovascular Diseases
- Chronic Disease
- Colitis

- Coronary Artery Disease
- Crohn Disease
- Cystic fibrosis
- Diabetes Mellitus
- Edema
- Factor V Deficiency
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Hemophilia A
- Hemorrhage
- Leukemia
- Liver Diseases
- Lupus Erythematosus
- Lupus Nephritis
- Lupus Vasculitis
- Meningeal Neoplasms
- Meningioma
- Pneumococcal Infections
- Systemic Inflammatory Response Syndrome