

Recombinant Human LMAN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LMAN1-6462H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LMAN1 MS Standard C13 and N15-labeled recombinant protein (NP_005561) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a membrane mannose-specific lectin that cycles between the endoplasmic reticulum, endoplasmic reticulum-Golgi intermediate compartment, and cis-Golgi, functioning as a cargo receptor for glycoprotein transport. The protein has an N-terminal signal sequence, a calcium-dependent and pH-sensitive carbohydrate recognition domain, a stalk region that functions in oligomerization, a transmembrane domain, and a short cytoplasmic domain required for organelle targeting. Allelic variants of this gene are associated with the autosomal recessive disorder combined factor V-factor VIII deficiency.
Molecular Mass	57.5 kDa
AA Sequence	MAGSRQRGLRARVRPLFCALLLSLGRFVRGDGVGGDPAVALPHRRFEYKYSFKGP HLVQSDGTVPFWAHAGNAIPSSDQIRVAPSLKSQRGSVWTKTKAAFENWEVEVTFR VTGRGRIGADGLAIWYAENQGLEGPVFGSADLWNGVGIFDSDNDGKKNNPAIVII GNNGQIHQNDGASQALASCQRDFRNKPYPVRAKITYYQNTLTVMINNGFTPDK NDYEFCAKVENMIIPAQGHFGISAATGGLADDHDVLSFLTFLTEPGKEPPTPDKEIS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EKEKEKYQEEFEHFQQELDKKKEEFQKGHPDLQGQPAEEIFESVGDRELQVFEQ
 QNRIHLEIKQLNRQLDMILDEQRRYVSSLTEEISKRGAGMPGQHGQITQQELDTVVK
 TQHEILRQVNEMKNSLSETVRLVSGMQHPGSAGGVYETTQHFIDIKEHLHIVKRDIDN
 LVQRNMPSNEKPKCELPFPSPCLSTVHFIFVVVQTVLFIGYIMYRSQQEAAAKKFF
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name LMAN1 lectin, mannose binding 1 [Homo sapiens (human)]

Official Symbol LMAN1

Synonyms LMAN1; lectin, mannose-binding, 1; coagulation factor V factor VIII combined deficiency, F5F8D; protein ERGIC-53; endoplasmic reticulum golgi intermediate compartment protein 53; ERGIC 53; ERGIC53; FMFD1; gp58; MCFD1; MR60; intracellular mannose specific lectin; intracellular mannose-specific lectin MR60; ER-Golgi intermediate compartment 53 kDa protein; endoplasmic reticulum-golgi intermediate compartment protein 53; F5F8D; ERGIC-53;

Gene ID 3998

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq [NM_005570](#)

Protein Refseq [NP_005561](#)

MIM [601567](#)

UniProt ID [P49257](#)

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA