

Product datasheet for **TP307088M**

LMAN1 (NM_005570) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human lectin, mannose-binding, 1 (LMAN1), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC207088 protein sequence
Red=Cloning site **Green**=Tags(s)

MAGSRQRGLRARVRPLFCALLLSLGRFVRGDGVGGDPAVALPHRRFEYKYSFKGPHLVQSDGTVPFWAHA
GNAIPSSDQIRVAPSLKSQRGSVWTKTKAAFENWEVEVTFRTGRGRIGADGLAIWYAENQGLEGPFVFGS
ADLWNGVGIFDSDNDGKKNNPAIVIIGNNGQIHQNDGASQALASCQRDFRNKPYPVRAKITYYQN
TLTVMINNGFTPDKNDEYFCAKVENMIIPAQGHFGISAATGGLADDHDVLSFLTFLTEPGKEPPTPDKE
ISEKEKEKYQEEFEHFQQELDKKKEEFQKGHPDLQGGQPAEEIFESVGDRELQVFEGQNRHLEIKQLNR
QLDMILDEQRRYVSSLTEEISKRAGMPGQHGQITQQELDTVVKTQHEILRQVNEMKNSLSETVRLVSGM
QHPGSAGGVYETTQHFIDIKEHLHIVKRDIDNLVQRNMPNSNEKPKCELPFPFSCSLSTVHFIFVWVQTV
LFIGYIMYRSQQEAAAKKFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 54.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_005561](#)

Locus ID: 3998

UniProt ID: [P49257](#), [A0A024R2A7](#)

RefSeq Size: 4848

Cytogenetics: 18q21.32

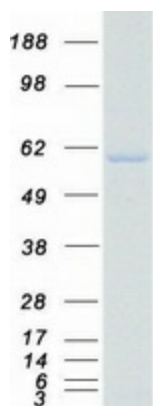
RefSeq ORF: 1530

Synonyms: ERGIC-53; ERGIC53; F5F8D; FMFD1; gp58; MCFD1; MR60

Summary: 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. [provided by RefSeq, Jul 2015]

Protein Families: Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified LMAN1 protein (Cat# [TP307088]). The protein was produced from HEK293T cells transfected with LMAN1 cDNA clone (Cat# [RC207088]) using MegaTran 2.0 (Cat# [TT210002]).