

Recombinant Human LMAN1 293 Cell Lysate

Cat. No. LMAN1-4719HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for lectin, mannose-binding, 1 (LMAN1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

LMAN1 lectin, mannose-binding, 1 [Homo sapiens]

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

mRNA Refseq

NM_005570

Protein Refseq

NP_005561

MIM

601567

UniProt ID

P49257

Chromosome Location

18q21.3-q22

Pathway

Asparagine N-linked glycosylation, organism-specific biosystem; Metabolism of

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proteins, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem; Signaling events mediated by TCPTP, organism-specific biosystem; Transport to the Golgi and subsequent modification, organism-specific biosystem;

Function

identical protein binding; mannose binding; metal ion binding; protein binding; sugar binding; unfolded protein binding;

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