

# Recombinant Human LMAN1 Protein, His-tagged

**Cat. No.** LMAN1-35H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human LMAN1 Protein(P49257)(31-477 aa), fused with C-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 31-477 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 57.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AASequence</b>       | DGVGGDPAVALPHRRFEYKYSFKGPHLVQSDGTVPFWAHAGNAIPSSDQIRVAPSL<br>KSQRGSVWTKTKAAAFENWEVEVTRVTGRGRIGADGLAIWYAENQGLEGPFVFGSA<br>DLWNGVGIFDSDNDGKKNNPAIVIIGNNGQIHVDHQNDGASQALASCQRDFRNK<br>PYPVRAKITYYQNTLTVMINNGFTPDKNDEYEFCAKVENMIIPAQGHFGISAATGGLAD<br>DHDVLSFLTFLTEPGKEPPTPDKEISEKEKEKYQEEFEHFQQELDKKKEEFQKGHP<br>DLQGQPAEEIFESVGDRELRLQVFEGQNRHLEIKQLNRQLDMILDEQRRYVSSLTEEI<br>SKRGAGMPGQHGQITQQELDTVVKTQHEILRQVNEMKNSMSETVRLVSGMQHPGS<br>AGGVYETTQHFDIKEHLHIVKRDIDNLVQRNMPSNEKPKCELPFPSPCLS |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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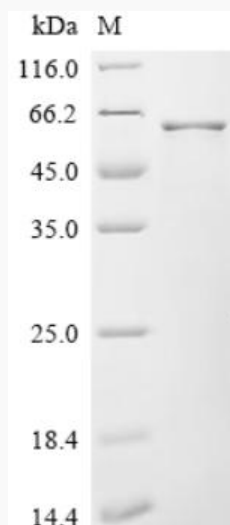
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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                          |
| <b>Reconstitution</b>   | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.                                                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Gene Name</b>        | LMAN1 lectin, mannose-binding, 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>  | LMAN1                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 3998                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>      | NM_005570                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>   | NP_005561                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>              | 601567                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>       | P49257                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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**SDS-PAGE**

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