



# Recombinant Human LMAN1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07364

**Protein Name:** Protein Ergic-53 (LMAN1)

**Aliases:** MR60; gp58; F5F8D; FMFD1; MCFD1; ERGIC53; ERGIC-53; protein ERGIC-53; ER-Golgi intermediate compartment 53 kDa protein

**UniProt ID:** P49257

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P49257/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Partial (31-477aa)

**Molecular Weight:** 57.3 kDa

**Protein Tag:** C-terminal 6xHis-tagged

## 2. Amino Acid Sequence (31-477aa)

DGVGGDPAVALPHRRFEYKYSFKGPHLVQSDGTVPFWAHAGNAIPSSDQIRVAPS  
LKSQRGSVWTKTKAAFENWEVEVTFRVTGRGRIGADGLAIWYAENQGLEGPFVFGS  
ADLWNGVGIFDSDNDGKKNPAIVIGNNGQIHQNDGASQALASCQRDFRN  
KPYPVRAKITYYQNTLTVMINNGFTPDKNDEYFCAKVENMIIPAQGHFGISAATGGLA  
DDHDVLSFLTFLTEPGKEPPTPDKEISEKEKEKYQEEFEHFQQELDKKKEEFQKG  
HPDLQGGPAEEIFESVGDRELQVFEGQNRHLEIKQLNRQLDMILDEQRRYVSSLT  
EEISKRGAGMPGQHGGITQQELDTVVKTQHEILRQVNEMKNSMSETVRLVSGMQH  
PGSAGGVYETTQHFIDIKEHLHIVKRDIDNLVQRNMPSNEKPKCPELPPFPSCLS

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



## **4. Storage Conditions**

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## **5. Product Description**

This product is a recombinant Human LMAN1 partial protein (31-477aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. LMAN1, also known as MR60 or gp58 or F5F8D, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## **6. Notes**

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.