



# Recombinant Human MRPL42 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07503

**Protein Name:** Mitochondrial Ribosomal Protein L42 (MRPL42)

**Aliases:** mL42; L31MT; L42MT; S32MT; MRPL31; MRPS32; PTD007; RPML31; HSPC204; MRP-L31; MRP-L42; MRP-S32; mitochondrial ribosomal protein L42; large ribosomal subunit protein mL42; 28S ribosomal protein S32, mit...

**UniProt ID:** Q9Y6G3

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q9Y6G3/entry>

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

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (33-142aa)

**Molecular Weight:** 40.1kDa

**Protein Tag:** N-terminal GST-tagged

## 2. Amino Acid Sequence (33-142aa)

KSTYSPLPDDYNCNVELALTS DGR TIVCYHPSVDIPYEHTKPIPRPDPVHNNEETHD  
QVLKTRLEEKVEHLEEGPMIEQLSKMFFTTKHRWYPHGRYHRCRKNLNPPKDR

## 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 MRPL42 full length of mature protein protein (33-142aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. MRPL42, also known as mL42 or L31MT or L42MT, 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.