Recombinant Human MRPL54 Protein Product Manual

1. Product Basic Information

Product No.: REP07504

Protein Name: Mitochondrial Ribosomal Protein L54 (MRPL54)

Aliases: mL54; L54mt; MRP-L54; mitochondrial ribosomal protein L54; large ribosomal subunit protein mL54; 39S ribosomal protein L54, mitochondrial

UniProt ID: Q6P161

UniProt Link: https://www.uniprot.org/uniprotkb/Q6P161/entry

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (15-138aa)

Molecular Weight: 18.2kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (15-138aa)

GWGAWELLNPATSGRLLARDYAKKPVMKGAKSGKGAVTSEALKDPDVCTDPVQLT
TYAMGVNIYKEGQDVPLKPDAEYPEWLFEMNLGPPKTLEELDPESREYWRRLRKQ
NIWRHNRLSKNKRL

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 MRPL54 full length of mature protein protein (15-138aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. MRPL54, also known as mL54 or L54mt or MRP-L54, 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.