Recombinant Human MRPL9 Protein Product Manual

1. Product Basic Information

Product No.: REP07505

Protein Name: Mitochondrial Ribosomal Protein L9 (MRPL9)

Aliases: L9mt; bL9m; mitochondrial ribosomal protein L9; large ribosomal subunit protein bL9m; 39S ribosomal protein L9, mitochondrial

UniProt ID: Q9BYD2

UniProt Link: https://www.uniprot.org/uniprotkb/Q9BYD2/entry

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (60-267aa)

Molecular Weight: 50.9kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (60-267aa)

WKVPLAGEGRKPRLHRRHRVYKLVEDTKHRPKENLELILTQSVENVGVRGDLVSVK
KSLGRNRLLPQGLAVYASPENKKLFEEEKLLRQEGKLEKIQTKAGEATVKFLKSCRL
EVGMKNNVKWELNPEIVARHFFKNLGVVVAPHTLKLPEEPITRWGEYWCEVTVNGL
DTVRVPMSVVNFEKPKTKRYKYWLAQQAAKAMAPTSPQI

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 MRPL9 full length of mature protein protein (60-267aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. MRPL9, also known as L9mt or bL9m or mitochondrial ribosomal protein L9, 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.