



Recombinant Human GRPEL1 Protein Product Manual

1. Product Basic Information

Product No.: REP07045

Protein Name: Mt-Grpe#Grpe Like 1, Mitochondrial (GRPEL1)

Aliases: GrpE; HMGE; mt-GrpE#GrpE like 1, mitochondrial; GrpE-like protein cochaperone; grpE protein homolog 1, mitochondrial

UniProt ID: Q9HAV7

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9HAV7/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-217aa)

Molecular Weight: 51.2 kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-217aa)

MAAQCVRRLARRSLPALALSLRPSRLLCTATKQKNSGQNLEEDMGQSEQKADPPA
TEKTLLEEKVKLEEQKLVETVEKYKRALADTENLRQRSQKLVEEAKLYGIQAFCKDLL
EVADVLEKATQCVPKEEIKDDNPHLKNLYEGLVMTEVQIQKVFTKHGLLKLNVPVGA
KFDPYEHEALFHTPVGKEPGTVALVSKVGYKLHGRTLRLPALVGVVKEA

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

5. Product Description

This product is a recombinant Human GRPEL1 full length protein (1-217aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. GRPEL1, also known as GrpE or HMGE or mt-GrpE#GrpE like 1, mitochondrial, 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.