



Recombinant Human HMGCL Protein Product Manual

1. Product Basic Information

Product No.: REP07121

Protein Name: Hmg-Coa Lyase (HMGCL)

Aliases: HL; HMGCL1; HMG-CoA lyase; hydroxymethylglutaricaciduria; 3-hydroxy-3-methylglutaryl-CoA lyase; 3-hydroxy-3-methylglutarate-CoA lyase; 3-hydroxymethyl-3-methylglutaryl-CoA lyase; hydroxymethylglutaryl...

UniProt ID: P35914

UniProt Link: <https://www.uniprot.org/uniprotkb/P35914/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-325aa)

Molecular Weight: 58.5kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-325aa)

TLPKRVKIVEVGPRDGLQNEKNIVSTPVKIKLIDMLSEAGLSVIETTSFVSPKWVPQM
GDHTEVLKGIQKFPGINYPVLTPNLKGFEAAVAAGAKEVVIFGAASELFTKKNINCSIE
ESFQRFDAILKAAQSANISVRGYVSCALGCPYEGKISPAKVAEVTKKFYSMGCYEIS
LGDTIGVGTPGIMKDMLSAVMQEVPLAALAVHCHDYGQALANTLMALQMGSVV
DSSVAGLGGCPYAQGASGNLATEDLVYMLEGLGIHTGVNLQKLLEAGNFICQALNR
KTSSKVAQATCKL

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 HMGCL full length protein (1-325aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. HMGCL, also known as HL or HMGCL1 or HMG-CoA lyase, 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.