

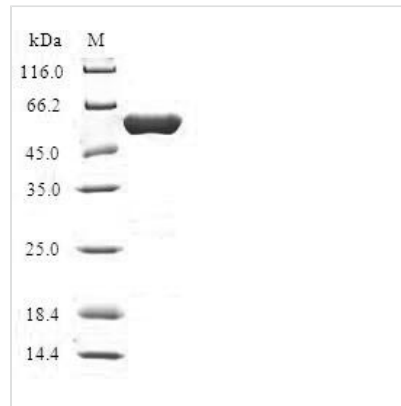


Recombinant Human Hydroxymethylglutaryl-CoA lyase, mitochondrial (HMGCL)

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|--------------------------|--|
| Product Code | CSB-EP010563HU(A4) |
| Relevance | Key enzyme in ketogenesis (ketone body formation). Terminal step in leucine catabolism. Ketone bodies (beta-hydroxybutyrate, acetoacetate and acetone) are essential as an alternative source of energy to glucose, as lipid precursors and as regulators of metabolism. |
| Abbreviation | Recombinant Human HMGCL protein |
| Storage | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |
| Uniprot No. | P35914 |
| Alias | 3-hydroxy-3-methylglutarate-CoA lyase |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | Greater than 90% as determined by SDS-PAGE. |
| Sequence | TLPKRVKIVEVGPRDGLQNEKNIVSTPVKIKLIDMLSEAGLSVIETTSFVSPKWW PQMGDHTTEVLKGIQKFPGINYPVLTPNLKGFEEAAVAAGAKEVVIFGAASELFTK KNINCSIEESFQRFDAILKAAQSANISVRGYVSCALGCPYEGKISPAKVAEVTCK FYSMGCYEISLGDITIGVGTGPGIMKDMLSAVMQEVPLAALAVHCHDITYGQALAN TLMALQMGVSVVDSSVAGLGGCPYAQGASGNLATEDLVYMLEGLGIHTGVNL QKLLLEAGNFICQALNRKTSSKVAQATCKL |
| Research Area | Signal Transduction |
| Source | E.coli |
| Target Names | HMGCL |
| Protein Names | Recommended name: Hydroxymethylglutaryl-CoA lyase, mitochondrial Short name= HL Short name= HMG-CoA lyase EC= 4.1.3.4Alternative name(s): 3-hydroxy-3-methylglutarate-CoA lyase |
| Expression Region | 1-325aa |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | N-terminal GST-tagged |
| Mol. Weight | 58.5kDa |
| Protein Length | Full Length |



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.