

## Recombinant Human HMGCL protein, GST-tagged

**Cat. No.** HMGCL-3038H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                 |
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| <b>Product Overview</b> | Recombinant Human HMGCL protein(P35914)(1-325aa), fused to N-terminal GST tag, was expressed in E. coli.                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 1-325aa                                                                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                |
| <b>Molecular Mass</b>   | 58.5 kDa                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | TLPKRVKIVEVGPRDGLQNEKNIVSTPVKIKLIDMLSEAGLSVIETTSFVSPKWVPQM<br>GDHTEVLKGIQKFPGINYPVLTPNLKGFEAAVAAGAKEVVIFGAASELFTKKNINCSIE<br>ESFQRFDAILKAAQSANISVRGYVSCALGCPYEGKISPAKVAEVTKKFYSMGCYEISL<br>GDTIGVGTPGIMKDMLSAVMQEVPLAALAVHCHDITYGQALANTLMALQMGVSVVDS<br>SVAGLGGCPYAQGASGNLATEDLVYMLEGLGIHTGVNLQKLLEAGNFICQALNRKTS<br>SKVAQATCKL |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                     |

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                              |
| <b>Reconstitution</b>   | 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%.                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>        | HMGCL 3-hydroxymethyl-3-methylglutaryl-CoA lyase [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                           |
| <b>Official Symbol</b>  | HMGCL                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>         | HMGCL; 3-hydroxymethyl-3-methylglutaryl-CoA lyase; 3 hydroxymethyl 3 methylglutaryl Coenzyme A lyase; hydroxymethylglutaryl-CoA lyase, mitochondrial; HL; hydroxymethylglutaricaciduria; HMG-CoA lyase; 3-hydroxy-3-methylglutaryl-CoA lyase; 3-hydroxy-3-methylglutarate-CoA lyase; 3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase; mitochondrial 3-hydroxy-3-methylglutaryl-CoA lyase; |
| <b>Gene ID</b>          | 3155                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_000191                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>   | NP_000182                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>              | 613898                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>       | P35914                                                                                                                                                                                                                                                                                                                                                                                      |

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