



# Recombinant Human Hydroxymethylglutaryl-CoA lyase, mitochondrial (HMGCL)

<b>Product Code</b>	CSB-EP010563HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P35914
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	TLP KRVKIVEVGP RDGLQNEKNI VSTPVKIKLI DMLSEAGLSV IETTSFVSPK WVPQMGDHT E VLKGIQKFP G INYPVLTPNL KGFEAAVAAG AKEVVIFGAA SELFTKKNIN CSIEESFQRF DAILKAAQSA NISVRGYVSC ALGCPYEGKI SPAKVAEVT KKFYSMGCEYI SLGDTIGVGT PGIMKDMLSA VMQEVPLAAL AVHCHDTYGQ ALANTLMALQ MGVSVVDSSV AGLGGCPY AQ GASGNLATE D LVYMLEGLGI HTGVNLQKLL EAGNFICQAL NRKTSSKVAQ ATCKL
<b>Source</b>	E.coli
<b>Target Names</b>	HMGCL
<b>Protein Names</b>	Recommended name: Hydroxymethylglutaryl-CoA lyase, mitochondrial Short name= HL Short name= HMG-CoA lyase EC= 4.1.3.4 Alternative name(s): 3-hydroxy-3-methylglutarate-CoA lyase
<b>Expression Region</b>	28-325
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This protein belongs to the HMG-CoA lyase family. It is a mitochondrial enzyme that catalyzes the final step of leucine degradation and plays a key role in ketone body formation. Mutations in this gene are associated with HMG-CoA lyase deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.