Recombinant Human Hydroxymethylglutaryl-CoA lyase, mitochondrial (HMGCL)

Product Code	CSB-YP010563HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P35914
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	TLP KRVKIVEVGP RDGLQNEKNI VSTPVKIKLI DMLSEAGLSV IETTSFVSPK WVPQMGDHTE VLKGIQKFPG INYPVLTPNL KGFEAAVAAG AKEVVIFGAA SELFTKKNIN CSIEESFQRF DAILKAAQSA NISVRGYVSC ALGCPYEGKI SPAKVAEVTK KFYSMGCYEI SLGDTIGVGT PGIMKDMLSA VMQEVPLAAL AVHCHDTYGQ ALANTLMALQ MGVSVVDSSV AGLGGCPYAQ GASGNLATED LVYMLEGLGI HTGVNLQKLL EAGNFICQAL NRKTSSKVAQ ATCKL
Source	Yeast
Target Names	HMGCL
Protein Names	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
Expression Region	28-325
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
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.