

## Product datasheet for **TP303817M**

### HMGCL (NM\_000191) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human 3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase (HMGCL), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203817 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MAAMRKALPRRLVGLASLRVSTSSMGTLPKRVKIVEVGPRDGLQNEKNIVSTPVKIKLIDMLSEAGLSV IETTSFVSPKWVPMQMGDHTVLKGIQKFPGINYPVLTPNLKGFEEAAVAAGAKEVIFGAASELFTKKNIN CSIEESFQRFDAILKAAQSANISVRGYVSCALGCPYEGKISPAKVAEVTKKFYSMGCYEISLGDITGVGT PGIMKDMLSAVMQEVPLAALAVHCHDITYGQALANTLMALQMGVSVVDSSVAGLGGCPYAQGASGNLATED LVYMLEGLGIHTGVNLQKLLLEAGNFICQALNRKTSSKVAQATCKL
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	31.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_000182</a>
Locus ID:	3155



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UniProt ID: [P35914](#)

RefSeq Size: 1617

Cytogenetics: 1p36.11

RefSeq ORF: 975

Synonyms: HL

**Summary:** The protein encoded by this gene 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. [provided by RefSeq, Oct 2009]

**Protein Families:** Druggable Genome

**Protein Pathways:** Butanoate metabolism, Metabolic pathways, Synthesis and degradation of ketone bodies, Valine, leucine and isoleucine degradation

### Product images:



Coomassie blue staining of purified HMGCL protein (Cat# [TP303817]). The protein was produced from HEK293T cells transfected with HMGCL cDNA clone (Cat# [RC203817]) using MegaTran 2.0 (Cat# [TT210002]).