

Product datasheet for TP303817M

HMGCL (NM_000191) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins Recombinant protein of human 3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase (HMGCL), **Description:** 100 µg Species: Human **Expression Host:** HEK293T **Expression cDNA** >RC203817 protein sequence Clone or AA Red=Cloning site Green=Tags(s) Sequence: MAAMRKALPRRLVGLASLRAVSTSSMGTLPKRVKIVEVGPRDGLQNEKNIVSTPVKIKLIDMLSEAGLSV IETTSFVSPKWVPQMGDHTEVLKGIQKFPGINYPVLTPNLKGFEAAVAAGAKEVVIFGAASELFTKKNIN CSIEESFQRFDAILKAAQSANISVRGYVSCALGCPYEGKISPAKVAEVTKKFYSMGCYEISLGDTIGVGT PGIMKDMLSAVMQEVPLAALAVHCHDTYGQALANTLMALQMGVSVVDSSVAGLGGCPYAQGASGNLATED LVYMLEGLGIHTGVNLQKLLEAGNFICQALNRKTSSKVAQATCKL **TRTRPLEOKLISEEDLAANDILDYKDDDDKV** 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:** NP 000182 Locus ID: 3155



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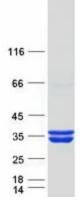
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	HMGCL (NM_000191) Human Recombinant Protein – TP303817M
UniProt ID:	<u>P35914</u>
RefSeq Size:	1617
Cytogenetics:	1p36.11
RefSeq ORF:	975
Synonyms:	HL
Summary:	The protein encoded by this gene belongs to the HMG-CoA lyase family. It is a mitochondrial 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 Pathway	vs: 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]).

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