

Product datasheet for TP303817L

OriGene Technologies, Inc.

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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), 1

mg

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

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 31.5 kDa

Concentration: $>0.05 \mu g/\mu L$ 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.

RefSeg: NP 000182

Locus ID: 3155





Synonyms:

UniProt ID: P35914

RefSeq Size: 1617

Cytogenetics: 1p36.11

975 RefSeq ORF:

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]

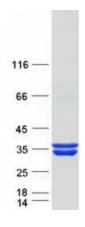
Protein Families: Druggable Genome

HL

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

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]).