

Product datasheet for **TP504737**

Hmgcl (NM_008254) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse 3-hydroxy-3-methylglutaryl-Coenzyme A lyase (Hmgcl), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR204737 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MASVRKAFPRRLVGLTSLRAVSTSSMGTLPKQVKIVEVGPRDGLQNEKSIVPTPVKIRLIDMLSEAGLPV
IEATSFVSPKWVPMADHSDVLKGIQKFPGINYPVLTPTNMKGFEVAAGAKEVSVFGAVSELFTRKNAN
CSIEESFQRFAGVMQAAQAASISVRGYVSCALGCPYEGKVSPAKVAEVAKKLYSMGCYEISLGDITIGVGT
PGLMKDMLTAVMHEVPVTALAVHCHDITYGQALANTLVALQMGVSVVDSSVAGLGGCPYAKGASGNLATED
LVYMLNGLGIHTGVNLQKLEAGDFICQALNRKTSSKVAQATCKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	34.2 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
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 after receiving vials.
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_032280
Locus ID:	15356
UniProt ID:	P38060



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RefSeq Size: 1416

Cytogenetics: 4 68.14 cM

RefSeq ORF: 978

Synonyms: AW476067; HL

Summary: Mitochondrial 3-hydroxymethyl-3-methylglutaryl-CoA lyase that catalyzes a cation-dependent cleavage of (S)-3-hydroxy-3-methylglutaryl-CoA into acetyl-CoA and acetoacetate, a key step in ketogenesis. Terminal step in leucine catabolism. Ketone bodies (beta-hydroxybutyrate, acetoacetate and acetone) are essential as an alternative source of energy to glucose, as lipid precursors and as regulators of metabolism.[UniProtKB/Swiss-Prot Function]