

Recombinant Human HMGCL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HMGCL-4287H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HMGCL MS Standard C13 and N15-labeled recombinant protein (NP_000182) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	34.4 kDa
AA Sequence	MAAMRKALPRRLVGLASLRVSTSSMGTLPKRVKIVEVGPRDGLQNEKNIVSTPVKI KLIDMLSEAGLSVIETTSFVSPKWVPQMGDHTVLKGIQKFPGINYPVLTPLNKGFEA AVAAGAKEVVIFGAASELFTKKNINCSIEESFQRFDAILKAAQSANISVRGYVSCALGC PYEGKISPAKVAEVTKKFYSMGCYEISLGDITIGVGTGPGIMKDMLSAVMQEVPLAALA VHCHDTYGQALANTLMALQMGSVVDSSVAGLGGCPYAQGASGNLATEDLVYMLE GLGIHTGVNLQKLLEAGNFICQALNRKTSSKVAQATCKLTRTRPLEQKLISEEDLAAN DILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

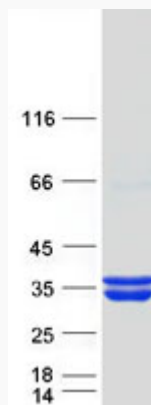
GENE INFORMATION

Gene Name	HMGCL 3-hydroxymethyl-3-methylglutaryl-CoA lyase [Homo sapiens (human)]
Official Symbol	HMGCL
Synonyms	HMGCL; 3-hydroxymethyl-3-methylglutaryl-CoA lyase; 3 hydroxymethyl 3 methylglutaryl Coenzyme A lyase; hydroxymethylglutaryl-CoA lyase, mitochondrial; HL; hydroxymethylglutaricaciduria; HMG-CoA lyase; 3-hydroxy-3-methylglutaryl-CoA lyase; 3-hydroxy-3-methylglutarate-CoA lyase; 3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase; mitochondrial 3-hydroxy-3-methylglutaryl-CoA lyase;
Gene ID	3155
mRNA Refseq	NM_000191
Protein Refseq	NP_000182
MIM	613898
UniProt ID	P35914

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SDS-PAGE

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