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Product datasheet for PH303817

HMGCL (NM_000191) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HMGCL MS Standard C13 and N15-labeled recombinant protein (NP_000182)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203817
Predicted MW:	34.4 kDa
Protein Sequence:	>RC203817 protein sequence Red=Cloning site Green=Tags(s) MAAMRKALPRRLVGLASLRAVSTSSMGTLPKRVKIVEVGPRDGLQNEKNIVSTPVKIKLIDMLSEAGLSV IETTSFVSPKWVPQMGDHTEVLKGIQKFPGINYPVLTPNLKGFEAAVAAGAKEVVIFGAASELFTKKNIN CSIEESFQRFDAILKAAQSANISVRGYVSCALGCPYEGKISPAKVAEVTKKFYSMGCYEISLGDTIGVGT PGIMKDMLSAVMQEVPLAALAVHCHDTYGQALANTLMALQMGVSVVDSSVAGLGGCPYAQGASGNLATED LVYMLEGLGIHTGVNLQKLLEAGNFICQALNRKTSSKVAQATCKL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000182
RefSeq Size:	1617
RefSeq ORF:	975
Synonyms:	HL
Locus ID:	3155

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UniProt ID: P35914

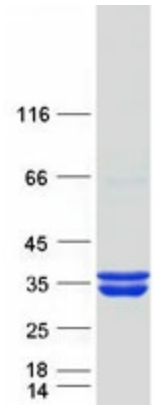
Cytogenetics: 1p36.11

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]).