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Product datasheet for PH303817

HMGCL (NM_000191) Human Mass Spec Standard

Product data:

Description:HMGCL MS Standard C13 and N15-labeled recombinant protein (NP_000182)Species:HumanSpecies:HumanExpression DNA ClongRC203817Predicted MW:34.4 kDaPredicted MM:34.4 kDaProtein Sequence:Red ⁻ Cloning site Green=Tags(s)WMRKALPRRLVGLASLRAVSTSSMGTLPKRVKLVEVGPRDGLQNEKNIVSTPVKIKLIDMLSEAGLSV tETTSFVSPKWPQMGMTEVLKGJQKEPGINPVLTPNLKGFEAVAAGKKVUTGAASELFTKNNIN CSTEESPGPFDAILLKAGVGKPFGINVPVLTPNLKGFEAVAAGKKVUTGAASELFTKNNIN CSTEESPGPFDAILKAGVSHCKPGLQALPKRTSSWQATCKLTag:Colog/JuliaParteilusSalos adtermined by Discopala ant MAQWGSVDSSVAGLGCCPYAQUSASGALATED VMHEGLGIHTGVNLQKLEAGNFTIQALNRTSSKVQATCKLTag:Solo gu/µL as determined by Discopala ant MAQWGSVDDSSVAGLGCPYAQUSASGALATED VOHMEGLGIHTGVNLQKLEAGNFTIQALNRTSSKVQATCKLFag:Solo gu/µL as determined by Discopala BCA methodBuffer:Solo sig/µL as determined by Discopala BCA methodGasege:Solo Sig/µL as determined protein sequences.Stability:Solo Sig/ La Go months from receipt of products under proper storage and handling conditions.RefSeq:No.00182RefSeq ORF:SigSignongns:HiLocus ID:SigStorage:SigSignongns:SigSignongns:SigSignongns:SigSignongns:SigSignongns:SigSignongns:Signongns:Signongns:Signongns:Signongns:Signongns:Signongns:Signongns:Signongns:Signongns:Sign	Product Type:	Mass Spec Standards
Expression Host:HEK293Expression CDNA ClossRC203817Predicted MW:3.4.4 kDaProtein Sequence:RC203817 protein sequence Red=Cloning site Green=Tags(s)Protein Sequence:RC203817 protein sequence Red=Cloning site Green=Tags(s)MAMRKALPRRLVPKLVELASLRAVTSSMGTLPKRVKIEVGPRDGLQNEKNIVSTPVKILIDMLSEGLSV KUSEESPQRPDALLKAQSANTSVRGVVSCALGCPYEKISPAXVAEVKIEGAASELFTKKNIN CSIEESPQRPDALLKAQSANTSVRGVVSCALGCPYEKISPAXVAEVKIEGAASELFTKKNIN CSIEESPQRPDALLKAQSANTSVRGVVSCALGCPYEKISPAXVAEVKIEGAASAGAKEVVIEGAASELFTKKNIN CSIEESPQRPDALLKAQSANTSVRGVVSCALGCPYEKISPAXVAEVKIEGAASAGAKEVVIEGAASELFTKKNIN CSIEESPQRPDALLKAQSANTSVRGVSCALGCPYEKISPAXVAEVIESSCAGCPYAQGASGNLATED LVYMLEGGIHTGVNLQKLEAGNFICQALNRKTSSKVAQATCKLTag:CMC/DDKTag:CMGY/DDKPGIMCML SAVMQEVPLAALAVHCHDTYGQALANTLMALQMGVSVDSSVAGLGCPYAQGASGNLATED LVYMLEGGIHTGVNLQKLEAGNFICQALNRKTSSKVAQATCKLFormerS0% as determined by SDS-PAGE and Coomassie blue stainingConcentration:0.05 µg/µL as determined by microplate BCA methodFormer:S0% as determined products under proper storage and handling conditionsFormer:S1000000000000000000000000000000000000	Description:	HMGCL MS Standard C13 and N15-labeled recombinant protein (NP_000182)
Pression cDNA CloomRC203817Predicted MW:34.4 kDaProtein Sequence:RC203817 protein sequence Red=Cloning site Green=Tags(s)Protein Sequence:RC203817 protein sequence Red=Cloning site Green=Tags(s)MAMRKALPRRLVGLASLRAVSTSSMGTLPKRVKIVEVGPRDGLQNEKNIVSTPVKIKLIDMLSEAGLSV LTTTSFVSPKWPOMODHTEVLKGIQKFPGINPVLTPNLKGFEAVAAGAKEVVIFGASELFTKKNN SCIEESGRPDAILKAAQSANISVRGVYSCALGCPYGKISPAKVAAGAKEVVIFGASELFTKKNN SCIEESGRPDAILKAAQSANISVRGVYSCALGCPYGKISPAKVAAGAKEVVIFGASELFTKKNN SCIEESGRPDAILKAAQSANISVRGVYSCALGCPYGKISPAKVAAGAKEVUTGASSELFTKKNN SCIEESGRPDAILKAAQSANISVRGVYSCALGCPYGKISPAKVAAGAKEVUTGASSELFTKKNN SCIEESGRPDAILKAAQSANISVRGVYSCALGCPYGKISPAKVAAGAKEVUTGASSELFTKKNN SCIEESGRPDAILKAAQSANISVRGVYSCALGCPYGKISPAKVAAGAKEVUTGASSELFTKKNN SCIEESGRPDAILKAAQSANISVRGVYSCALGCPYGKISPAKVAAGAKEVUTGASSELFTKKNN SCIEESGRPTAQASANISVRGVYSCALGCPYAQGASSQNLATED PCHWKDMLSAVMQEVPLAALAVHCHDTYQALANTLMALQMGVSVDSSVAGLGGCPYAQGASSQNLATED PCHWKDMLSAVMQEVPLAALAVHCHDTYQALANTLMALQMGVSVDSSVAGLGGCPYAQGASSQNLATED PCHWKDMLSAVMQEVPLAALAVHCHDTYQALANTLMALQMGVSVDSSVAGLGGCPYAQGASSQNLATED PCHWKDMLSAVMQEVPLAALAVHCHDTYQALANTLMALQMGVSVDSSVAGLGGCPYAQGASSQNLATED PCHWKDMLSAVMQEVPLAALAVHCHDTYQALANTLMALQMGVSVDSSVAGLGGCPYAQGASSQNLATED PCHWKDMLSAVMQEVPLAALAVHCHDTYQALANTLMALQMGVSVDSSVAGLGGCPYAQGASSQNLATED PCHWKDMLSAVMQEVPLAALAVHCHDTYQALANTLMALQMGVSVDSSVAGLGGCPYAQGASSQNLATED PCHWKDMLSAVMQEVPLAALAVHCHDTYQALANTLMALQMGVSVDSSVAGLGGCPYAQGASSQNLATED PCHWKDMLSAVMQEVPLAALAVHCHDTYQALANTLMALQMGVSVDSSVAGLGGCPYAQGASSQNLATED PCHWKDMLSAVMQEVPLAALAVHCHDTYQALANTLMALQMGVSVDSSVAGLGGCPYAQGASSQNLATED PCHWKDMLSAVMQEVPLAALAVHCHDTYQALANTLMALQMGVSVDSSVAQGASQNLATED PCHWKDMLSAVMQEVPLAALAVHCHTYQALANTLMALQMGVSVDSSVAQATKULFag:SAMS determined by SDS-PAGE and Coomassie blue staining SOS MCLIAUGA SIGNLATED SOS MCLIAUGALAVHCHTYGALGALANTLMALQMGVSVDSSVAQATKUL <td< th=""><td>Species:</td><td>Human</td></td<>	Species:	Human
or AA Sequence:Predicted MW:34.4 kDaProtein Sequence:>Rc203817 protein sequenceRed=Cloning site Green=Tags(s)MAMMRALPRRLVGLASLRAVSTSSMGTLPKRVKIVEVGPRDGLQNEKNIVSTPVKIKLIDMLSEAGLSV IETTSFVSPKWPQMGDHTEVLKGIQKFPGINPVLTPNLKGPRDGLQNEKNIVSTPVKIKLIDMLSEAGLSV IETTSFVSPKWPQMGDHTEVLKGIQKFPGINPVLTPNLKGAGKEVIFGAASELFTKKNIN CSEESORPADILKAAQSANISVKGVSCALGCPVEKISPAAVAAGKEVIFGAASELFTKKNIN SCSEESORPADILKAAQSANISVKGVSCALGCPVEKISPAAVAAGKEVIFGAASELFTKKNIN CSEESORPADILKAAQSANISVKGVSCALGCPVEKISPAAVAAGKEVIFGAASELFTKKNIN SCSEESORPADILKAAQSANISVKGVSCALGCPVEKISPAAVAATCKL VYMLEGLGIHTGVNLQKLLEAGNFICQALNKTSSKVAQATCKLTag:CMyc/DDKTag:CMyc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingGoncentration:>0.05 µg/µL as determined by microplate BCA methodBuffer:0.05 µg/µL as determined by microplate BCA methodBuffer:Store at -80°C. Avoid repeated freeze-thaw cycles.Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stabe for 3 months from receipt of products under proper storage and handling conditions.RefSeqNP 000182RefSeq ORF:975Storage:HL	Expression Host:	HEK293
Protein Sequence:Rc203817 protein sequence Red=Cloning site Green=Tags(s)MAAMRKALPRRLVGLASLRAVSTSSMGTLPKRVKIVEVGPRDGLQNEKNIVSTPVKIKLIDMLSEAGLSV IETTSFVSPKWVPQMGDHTEVLKGIQKFPGINYPVLTPNLKGFEAAVAAGAKEVVIFGAASELFTKKNIN CSIEESFQRPDAILKAAQSANISVRGVOSCALGCPYEGKISPAKVAEVTKKFYSMGCYEISLGDTIGVGT PGIMKDMLSAVMQEVPLAALAVHCHDTGQALNRTLMALQMGVSVVDSSVAGLGGCPYAQASASULATED IETTRPLEQKLISEEDLAANDLLDYKDDDDKVTag:C-Myc/DDKPurity:80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:0.51 µg/µL as determined by microplate BCA methodStorage:Store at -80°C. Avoid repeated freeze-thaw cycles.Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.RefSeq Size:NP 000182RefSeq ORF:975Stonays:HL	•	RC203817
Red=Cloning site Green=Tags(s)MAAMRKALPRRLVGLASLRAVSTSSMGTLPKRVKIVEVGPRDGLQNEKNIVSTPVKIKLIDMLSEAGLSV IETTSFVSPKWVPQMCDHTEVLKGIQKFPGINYPVLTPNLKGFEAAVAAGAKEVVIFGAASELFTKKNIN CSIEESFQRFDAILKAAQSANISVRGYVSCALGCPYEGKISPAKVAEVTKKFYSMGCYEISLGDTIGVGT PGIMKDMLSAVMQEVPLAALAVHCHDTVQQLANTLMALQMCVSVVDSSVAGLGGCPYAQGASGNLATED LVYMLEGLGIHTGVNLQKLLEAGNFICQALNRKTSSKVAQATCKLTag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 000182RefSeq ORF:975Synonyms:HL	Predicted MW:	34.4 kDa
IETTSFVSPKWVPQMGDHTEVLKGIQKFPGINYPVLTPNLKGFEÅAVAAGAKEVVIFGAASELFTKKNIN SCIEESFQRFDAILKAAQSANISVRGVVSCALGCPYEGKISPAKVAEVTKKFYSMGCYEISLGDTIGVGT PGIMKDMLSAVMQEVPLAALAVHCHDYGQALANTLMALQMGVSVVDSSVAGLGGCPYAQGASGNLATED LVYMLEGLGIHTGVNLQKLLEAGNFICQALNRKTSSKVAQATCKLTarrepLeQkLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKConcentration:> 80% as determined by SDS-PAGE and Coomassie blue stainingOcngentration:> 0.05 µg/µL as determined by microplate BCA methodBuffer:25 mM Tris-HCI, 100 mM glycine, pH 7.3Storage: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 Size:1617RefSeq ORF:975Bynonyms:HL	Protein Sequence:	
Tag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 000182RefSeq ORF:975Stonage:HL		IETTSFVSPKWVPQMGDHTEVLKGIQKFPGINYPVLTPNLKGFEAAVAAGAKEVVIFGAASELFTKKNIN CSIEESFQRFDAILKAAQSANISVRGYVSCALGCPYEGKISPAKVAEVTKKFYSMGCYEISLGDTIGVGT PGIMKDMLSAVMQEVPLAALAVHCHDTYGQALANTLMALQMGVSVVDSSVAGLGGCPYAQGASGNLATED
Purity:> 80% as determined by SDS-PAGE and Coomassie blue stainingPurity:> 80% as determined by microplate BCA methodConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 000182RefSeq ORF:975Synonyms:HL		TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Concentration:>0.05 μg/μL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 000182RefSeq Size:1617RefSeq ORF:975Synonyms:HL	Tag:	C-Myc/DDK
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RefSeq: NP 000182 RefSeq Size: 1617 RefSeq ORF: 975 Synonyms: HL	Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
RefSeq Size: 1617 RefSeq ORF: 975 Synonyms: HL	Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq ORF:975Synonyms:HL	RefSeq:	<u>NP 000182</u>
Synonyms: HL	RefSeq Size:	1617
	RefSeq ORF:	975
Locus ID: 3155	Synonyms:	HL
	Locus ID:	3155

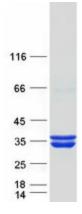


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	HMGCL (NM_000191) Human Mass Spec Standard – PH303817
UniProt ID:	<u>P35914</u>
Cytogenetics:	1p36.11
Summary:	The protein encoded by this gene belongs to the HMG-CoA lyase family. It is a mitochondrial enzyme that catalyzes the final step of leucine 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 Pathway	s: 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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