

Product datasheet for PH306162

HMGCLL1 (NM_001042406) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HMGCLL1 MS Standard C13 and N15-labeled recombinant protein (NP_001035865)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206162
Predicted MW:	36.3 kDa
Protein Sequence:	>RC206162 protein sequence Red=Cloning site Green=Tags(s)

MGNVPSAVKHCLSYQQLLREHLWIGDSVAGALDPAQETSLSGLPEFVKIVEVGPDRDGLQNEKVIPTDI
KIEFINRLSQTGLSVIEVTSFVSSRWVPMADHTEVMKGIHQYPGVRYPLTPNLQGFHHAVAAGATEIS
VFGAASEFSKKNINCSIEESMGKFEEVVK SARHMNIPARGYVSCALGCPYEGSITPQKVEVSKRLYGM
GCYEISLGDITIGVGTGPGSMKRMLESVMKEIPPGALAVHCHDYGQALANILTALQMGINVVDASVSLGG
CPYAKGASGNVATEDLIYMLNGLGLNTGVNLYKVM EAGDFICKAVNKTTNSKVAQSFNA

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_001035865
RefSeq Size:	2481
RefSeq ORF:	1020
Synonyms:	bA418P12.1; er-cHL
Locus ID:	54511



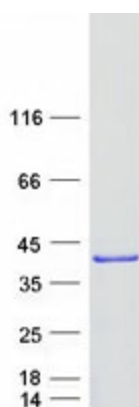
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UniProt ID: [Q8TB92](#), [Q9NT06](#), [O95896](#)

Cytogenetics: 6p12.1

Summary: Non-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, the products of which support energy production in nonhepatic animal tissues.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified HMGCLL1 protein (Cat# [TP306162]). The protein was produced from HEK293T cells transfected with HMGCLL1 cDNA clone (Cat# [RC206162]) using MegaTran 2.0 (Cat# [TT210002]).