

Product datasheet for PH324071

HMGCS1 (NM_001098272) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HMGCS1 MS Standard C13 and N15-labeled recombinant protein (NP_001091742)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224071
Predicted MW:	57.3 kDa
Protein Sequence:	>RC224071 protein sequence Red=Cloning site Green=Tags(s)

MPGSLPLNAEACWPKDVGIVALEIYFPSQYVDQAELEKYDGVDAKTYIGLGQAKMGFCTDREDINSLCM
TVVQNLMERNNLSYDCIGRLEVGTETIIDKSKSVKTNLMQLFEESGNTDIEGIDTTNACYGGTAAVFNNAV
NWIESSWDGRYALVVAGDIAVYATGNARPTGGVGAVALLIGPNAPLIFERGLRGTHMQHAYDFYKPDML
SEYPIVDGKLSIQCYLSALDRCYSVYCKIHAQWQKEGNDKDFTLNDFGFMIFHSPYCKLVQKSLARMLL
NDFLNDQNRDKNSIYSGLEAFGDVKLEDTYFDRDVEKAFMKASSELFSQKTKASLLVSNQNGNMYTSSVY
GSLASVLAQYSPQQLAGKRIGVFSYGSGLAATLYSLKVTQDATPGSALDKITASLCDLKSRLDSRTGVAP
DVFAENMKLREDTYHLVNYIPQGSIDSLFEGTWYLVVRVDEKHRRTYARRPTPNDDTLDEGVGLVHSNIAT
EHIPSPAKKVPRLPATAAEPEAAVISNGEH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

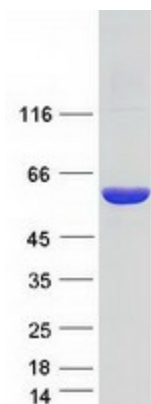
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	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:	<u>NP_001091742</u>
RefSeq Size:	5450
RefSeq ORF:	1560



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Synonyms:	HMGCS
Locus ID:	3157
UniProt ID:	Q01581 , A0A024R059
Cytogenetics:	5p12
Summary:	This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.[UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome
Protein Pathways:	Butanoate metabolism, Metabolic pathways, Synthesis and degradation of ketone bodies, Terpenoid backbone biosynthesis, Valine, leucine and isoleucine degradation

Product images:



Coomassie blue staining of purified HMGCS1 protein (Cat# [TP324071]). The protein was produced from HEK293T cells transfected with HMGCS1 cDNA clone (Cat# [RC224071]) using MegaTran 2.0 (Cat# [TT210002]).