

Product datasheet for **TP310090L**

HMGC51 (NM_002130) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble) (HMGC51), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210090 protein sequence Red =Cloning site Green =Tags(s)

MPGSLPLNAEACWPKDVGIVALEIYFPSQYVDQAELEKYDGV DAGKYTIGLGQAKMGFCTDREDINSLCM
TVVQNL MERNNLSYDCIGRLEVGTETIIDKSKSVKTNLMQLFEESGNTDIEGIDTTNACYGGTAAVFN AV
NWIESSWDGRYALVAGDIAVYATGNARPTGGVAVALLIGPNAPLIFERGLRGTHMQHAYDFYKPDML
SEYPIVDGKLSIQCYLSALDRCYSVYCKKIHAQWQKEGNDKDFTLNDFGFMIFHSPYCKLVQKSLARMLL
NDFLNDQNRDKNSIYSGLEAFGDVKLEDTYFDRDVEKAFMKASSELFSQKTKASLLVSNQNGNMYTSSVY
GSLASVLAQYSPQQLAGKRIGVFSYGSGLAATLYSLKVTQDATPGSALDKITASLCDLKSRLDSRTGVAP
DVFAENMKLREDTYHLVNIYPQGSIDSLFEGTWYLVVRVDEKHRRTYARRPTPNDDTLDEGVGLVHSNIAT
EHIPSPAKKVPRLPATAAEPEAAVISNGEH

SGPTRTRPLE**QKLISEEDLAANDILDYKDDDDK**V

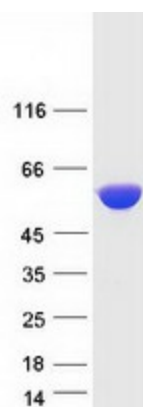
Tag:	C-Myc/DDK
Predicted MW:	57.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002121
Locus ID:	3157
UniProt ID:	Q01581 , A0A024R059
RefSeq Size:	5391
Cytogenetics:	5p12
RefSeq ORF:	1560
Synonyms:	HMGCS
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# [TP310090]). The protein was produced from HEK293T cells transfected with HMGCS1 cDNA clone (Cat# [RC210090]) using MegaTran 2.0 (Cat# [TT210002]).