

## Product datasheet for **TP324071L**

### **HMGCS1 (NM\_001098272) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble) (HMGCS1), transcript variant 1, 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC224071 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MPGSLPLNAEACWPKDVGIVALEIYFPSQYVDQAELEKYDGV DAGKYTIGLGQAKMGFCTDREDINSLCM  
TVVQNL MERNNLSYDCIGRLEVGTETIIDKSKSVKTNLMQLFEESGNTDIEGIDTTNACYGGTAAVFN AV  
NWIESSWDGRYALV VAGDI AVYATGNARPTGGVGAVALLIGPNAPLIFERGLRGTHMQHAYDFYKPDML  
SEYPIVDGKLSIQCYLSALDR CYSVYCKKIHAQWQKEGNDKDFTLNDFGFMIFHSPYCKLVQKSLARMLL  
NDFLNDQNRDKNSIYSGLEAFGDVKLEDTYFDRDVEKAFMKASSELFSQKTKASLLVSNQNGNMYTSSVY  
GSLASVLAQYSPQQLAGKRIGVFSYGSGLAATLYSLKVTQDATPGSALDKITASLCDLKSRLDSRTGVAP  
DVFAENMKLREDTYHLVNIYPQGSIDSLFEGTWYLVVRVDEKHRRTYARRPTPNDDTLDEGVGLVHSNIAT  
EHIPSPAKKVPRLPATAAEPEAAVISNGEH

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

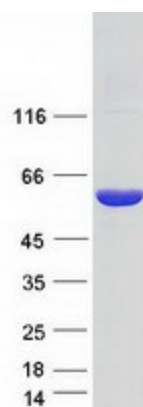
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	57.1 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein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



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001091742</a>
<b>Locus ID:</b>	3157
<b>UniProt ID:</b>	<a href="#">Q01581</a> , <a href="#">A0A024R059</a>
<b>RefSeq Size:</b>	5450
<b>Cytogenetics:</b>	5p12
<b>RefSeq ORF:</b>	1560
<b>Synonyms:</b>	HMGCS
<b>Summary:</b>	This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.[UniProtKB/Swiss-Prot Function]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).