

Recombinant Human HMGCS1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. HMGCS1-171H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HMGCS1 MS Standard C13 and N15-labeled recombinant protein (NP_002121) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase. [UniProtKB/Swiss-Prot Function]
Molecular Mass	57.3 kDa
AA Sequence	MPGSLPLNAEACWPKDVGIVALEIYFPSQYVDQAELEKYDGV DAGKYTIGLGQAKM GFCTDREDINSLCMTVVQNL MERNNLSYDCIGRLEVGTETIIDKSKSVKTNLMQLFEE SGNTDIEGIDTTNACYGGTAAVFNAVNWIESSSWDGRYALVVAGDIAVYATGNARPT GGVGAVALLIGNAPLIFERGLRGTHMQHAYDFYKPDMLSEYPIVDGKLSIQCYLSAL DRCYSVYCKKIHAQWQKEGNDKDFTLNDFGFMIFHSPYCKLVQKSLARMLLNDFLN DQNRDKNSIYSGLEAFGDVKLEDTYFDRDVEKAFMKASSELF SQT KASLLVSNQN GNMYTSSVYGS LASVLAQYSPQQLAGKRIGVFSYGSGLAATLYSLKVTQDATPGSA LDKITASLCDLKSRLDSRTGVAPDVFAENMKLREDTYHLVNYIPQGSIDSLFEGTWYL VRVDEKHRRTYARRPTPNDDTLDEGVGLVHSNIATEHIPSPAKKVPRLPATAAEPEA AVISNGEHSGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

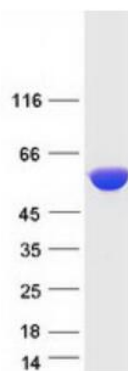
Gene Name	HMGCS1 3-hydroxy-3-methylglutaryl-CoA synthase 1 [Homo sapiens (human)]
Official Symbol	HMGCS1
Synonyms	HMGCS1; 3-hydroxy-3-methylglutaryl-CoA synthase 1; HMGCS; hydroxymethylglutaryl-CoA synthase, cytoplasmic; 3-hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) synthase; 3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble); 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble); EC 2.3.3.10
Gene ID	3157
mRNA Refseq	NM_002130
Protein Refseq	NP_002121
MIM	142940
UniProt ID	Q01581

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SDS-PAGE



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