

## Recombinant Human HMGCS2 Protein, His-tagged

Cat. No. HMGCS2-134H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human HMGCS2, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	The protein encoded by this gene belongs to the HMG-CoA synthase family. It is a mitochondrial enzyme that catalyzes the first reaction of ketogenesis, a metabolic pathway that provides lipid-derived energy for various organs during times of carbohydrate deprivation, such as fasting. Mutations in this gene are associated with HMG-CoA synthase deficiency. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
<b>Form</b>	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1 % Sarkosyl.
<b>Molecular Mass</b>	54.8 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

<b>Gene Name</b>	HMGCS2 3-hydroxy-3-methylglutaryl-CoA synthase 2 (mitochondrial) [ Homo sapiens
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<b>Official Symbol</b>	HMGCS2
<b>Synonyms</b>	HMGCS2; 3-hydroxy-3-methylglutaryl-CoA synthase 2 (mitochondrial); 3 hydroxy 3 methylglutaryl Coenzyme A synthase 2 (mitochondrial); hydroxymethylglutaryl-CoA synthase, mitochondrial; HMG-CoA synthase; 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2 (mitochondrial);
<b>Gene ID</b>	3158
<b>mRNA Refseq</b>	NM_001166107
<b>Protein Refseq</b>	NP_001159579
<b>MIM</b>	600234
<b>UniProt ID</b>	P54868

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