

Recombinant Human HMGCS2 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human HMGCS2, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	54.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	HMGCS2 3-hydroxy-3-methylglutaryl-CoA synthase 2 (mitochondrial) [Homo sapiens
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Official Symbol	HMGCS2
Synonyms	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);
Gene ID	3158
mRNA Refseq	NM_001166107
Protein Refseq	NP_001159579
MIM	600234
UniProt ID	P54868

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