

Product datasheet for TP761046

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

HMGCS2 (NM_001166107) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Human 3-hydroxy-3-methylglutaryl-CoA synthase 2

(mitochondrial) (HMGCS2), nuclear gene encoding mitochondrial protein, transcript variant 2,

full length, with N-terminal HIS tag, expressed in E.coli, 50ug

Species: Human

Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

A DNA sequence encoding human full-length HMGCS2

Tag: N-His

Predicted MW: 54.8 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, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol

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.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

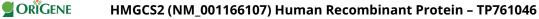
RefSeq: NP 001159579

 Locus ID:
 3158

 UniProt ID:
 P54868

 Cytogenetics:
 1p12

 RefSeq ORF:
 1398



Summary: 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.[provided by RefSeq, Oct 2009]

Protein Families: Druggable Genome

Protein Pathways: Butanoate metabolism, Metabolic pathways, PPAR signaling pathway, Synthesis and

degradation of ketone bodies, Terpenoid backbone biosynthesis, Valine, leucine and

isoleucine degradation

Product images:

