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

Product datasheet for AR50170PU-S

HMG-CoA lyase / HMGCL (28-325, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	HMG-CoA lyase / HMGCL (28-325, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMTLPKR VKIVEVGPRD GLQNEKNIVS TPVKIKLIDM LSEAGLSVIE TTSFVSPKWV PQMGDHTEVL KGIQKFPGIN YPVLTPNLKG FEAAVAAGAK EVVIFGAASE LFTKKNINCS IEESFQRFDA ILKAAQSANI SVRGYVSCAL GCPYEGKISP AKVAEVTKKF YSMGCYEISL GDTIGVGTPG IMKDMLSAVM QEVPLAALAV HCHDTYGQAL ANTLMALQMG VSVVDSSVAG LGGCPYAQGA SGNLATEDLV YMLEGLGIHT GVNLQKLLEA GNFICQALNR KTSSKVAQAT CKL
Tag:	His-tag
Predicted MW:	34.2 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HMGCL protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000182
Locus ID:	3155
UniProt ID:	P35914
Cytogenetics:	1p36.11
Synonyms:	HL

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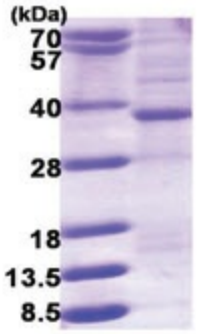
Summary: The protein encoded by this gene belongs to the HMG-CoA lyase family. It is a mitochondrial enzyme that catalyzes the final step of leucine degradation and plays a key role in ketone body formation. Mutations in this gene are associated with HMG-CoA lyase deficiency. Alternatively spliced transcript 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, Synthesis and degradation of ketone bodies, Valine, leucine and isoleucine degradation

Product images:



15% SDS-PAGE (3ug)