

Product datasheet for AR50170PU-N

OriGene Technologies, Inc.

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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, 0.5 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone MGSSHHHHHH SSGLVPRGSH MGSHMTLPKR VKIVEVGPRD GLQNEKNIVS TPVKIKLIDM

or AA Sequence: 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: <u>NP 000182</u>

 Locus ID:
 3155

 UniProt ID:
 P35914

 Cytogenetics:
 1p36.11

 Synonyms:
 HL





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

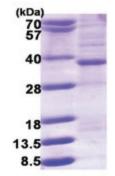
gene. [provided by RefSeq, Oct 2009]

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)