

Datasheet for ABIN5854983

HMGCL Protein (AA 28-325) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	HMGCL
Protein Characteristics:	AA 28-325
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HMGCL protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MTLPKRVKIV EVGPRDGLQN EKNIVSTPVK IKLIDMLSEA GLSVIETTSF VSPKWVPMG DHTEVLKGIQ KFPGINYPVL TPNLKGFEAA VAAGAKEVVI FGAASELFTK KNINCSIEES FQRFDAILKA AQSANISVRG YVSCALGCPY EGKISPAKVA EVTKKFYSMG CYEISLGDTI GVGTPGIMKD MLSAVMQEVP LAALAVHCHD TYGQALANTL MALQMGVSVV DSSVAGLGGC PYAQGASGNL ATEDLVYMLE GLGIHTGVNL QKLLEAGNFI CQALNRKTSS KVAQATCKLH HHHHH
Purity:	> 90 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	HMGCL
---------	-------

Target Details

Alternative Name: [HMGCL \(HMGCL Products\)](#)

Background: HMGCL, also known as hydroxymethylglutaryl-CoA lyase, mitochondrial isoform 1, is a mitochondrial matrix protein that 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. Multiple isoforms of the proteins are known due to alternative splicing. The major isoform (isoform 1) is most highly expressed in the liver whereas isoform 2 is found in energy-demanding tissues including the brain, heart, and skeletal muscle. Recombinant human HMGCL protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 32.5kDa (305aa) 28-40KDa (SDS-PAGE under reducing conditions.)

NCBI Accession: [NP_000182](#)

UniProt: [P35914](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

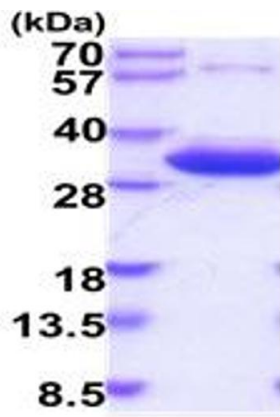
Format: Liquid

Concentration: 1.0 mg/mL

Buffer: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 20 % glycerol, 1 mM DTT.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.