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# Product datasheet for AR51899PU-S

## HMG-CoA synthase / HMGCS (1-520, His-tag) Human Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | HMG-CoA synthase / HMGCS (1-520, His-tag) human protein, 20 µg |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | MGSSHHHHHH SSGLVPRGSH MGSMPGSLPL NAEACWPKDV GIVALEIYFP SQYVDQAELE KYDGVDAGKY TIGLGQAKMG FCTDREDINS LCMTVVQNLM ERNNLSYDCI GRLEVGTETI IDKSKSVKTN LMQLFEESGN TDIEGIDTTN ACYGGTAAVF NAVNWIESSS WDGRYALVVA GDIAVYATGN ARPTGGVGAV ALLIGPNAPL IFERGLRGTH MQHAYDFYKP DMLSEYPIVD GKLSIQCYLS ALDRCYSVYC KKIHAQWQKE GNDKDFTLND FGFMIFHSPY CKLVQKSLAR MLLNDFLNDQ NRDKNSIYSG LEAFGDVKLE DTYFDRDVEK AFMKASSELF SQKTKASLLV SNQNGNMYTS SVYGSLASVL AQYSPQQLAG KRIGVFSYGS GLAATLYSLK VTQDATPGSA LDKITASLCD LKSRLDSRTG VAPDVFAENM KLREDTHHLV NYIPQGSIDS LFEGTWYLVR VDEKHRRTYA RRPTPNDDTL DEGVGLVHSN IATEHIPSPA KKVPRLPATA AEPEAAVISN GEH |
| **Tag:** | His-tag |
| **Predicted MW:** | 59.7 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >80% by SDS - PAGE |
| **Buffer:** | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: Phosphate buffered saline (pH 7.4) containing 10% glycerol, 1 mM DTT |
| **Preparation:** | Liquid purified protein |
| **Storage:** | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **RefSeq:** | NP_001091742 |
| **Locus ID:** | 3157 |
| **UniProt ID:** | Q01581 |
| **Cytogenetics:** | 5p12 |

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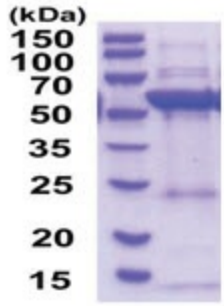
**Synonyms:** HMGCS1

**Summary:** This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

**Protein Pathways:** Butanoate metabolism, Metabolic pathways, Synthesis and degradation of ketone bodies, Terpenoid backbone biosynthesis, Valine, leucine and isoleucine degradation

## Product images:




15% SDS-PAGE (3ug)