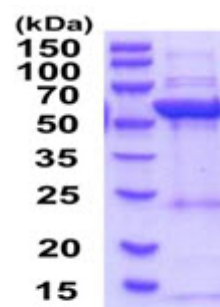


AR51899PU-N

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

Alternate names:	3-hydroxy-3-methylglutaryl coenzyme A synthase, HMGCS1, Hydroxymethylglutaryl-CoA synthase, cytoplasmic
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by bradford assay)
Background:	HMGCS1 also known as hydroxymethylglutaryl-CoA synthase, cytoplasmic. This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase. Recombinant human HMGCS1 was expressed in E.coli and purified by using conventional chromatography techniques
Uniprot ID:	Q01581
NCBI:	NP_001091742
GeneID:	3157
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >80% by SDS - PAGE Buffer System: Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT.
Description:	AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMPGSLPL NAEACWPKDV GIVALEIYFP SQYVDQAELE KYDGVDAAGY TIGLGQAKMG FCTDREDINS LCMTVVQNLN ERNNLSYDCI GRLEVGTETI IDKSKSVKTN LMQLFEEESG TDIEGIDTTN ACYGGTAADF NAVNWIESSS WDGRYALVVA GDIAYVATGN ARPTGGVGAV ALLIGPNAPL IFERGLRGTH MQHAYDFYKP DMLSEYPIVD GKLSIQCYLS ALDRCYSVYC KKIHAQWQKE GNDKDFTLND FGFMIHFSPY CKLVQKSLAR MLLNDFLNDQ NRDKNSIYSG LEAFGDVKLE DTYFDRDVEK AFMKASSELF SQKTKASLLV SNQNGNMYTS SVYGSLASVL AQYSPQQLAG KRIGVFSYGS GLAATLYSLK VTQDATPGSA LDKITASLCD LKSRLDSRTG VAPDVFAENM KLREDTHHLV NYIPQGSIDS LFEGTWYLVV VDEKRRRTYA RRPTNDDTL DEGVGLVHSN IATEHIPSPA KKVPRLPATA AEPEAAVISN GEH Molecular weight: 59.7 kDa (543aa)
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. Shelf life: one year from despatch.
General Readings:	Rigbolt K.T.,et al. (2011) Sci. Signal. 4:RS3-RS3. Burkard T.R.,et al. (2011) BMC Syst. Biol. 5:17-17.

Pictures:



15% SDS-PAGE (3ug)