

## 32-6804: HMGCS1 Human

**Alternative Name :** 3-Hydroxy-3-Methylglutaryl-CoA Synthase 1 (Soluble), 3-Hydroxy-3-Methylglutaryl-Coenzyme A Synthase 1 (Soluble), 3-Hydroxy-3-Methylglutaryl Coenzyme A (HMG-CoA) Synthase, EC 2.3.3.10, HMGCS, Hydroxymethylglutaryl-CoA Synthase, Cytoplasmic, 3-Hydroxy-3-Methylglutaryl Coenzyme A Synthase, HMG-CoA Synthase.

### Description

Source: Escherichia Coli.

Sterile Filtered clear solution.

3-Hydroxy-3-Methylglutaryl-CoA Synthase 1, also known as HMGCS1 is a member of the Belongs to the HMG-CoA synthase family. HMGCS1 condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.

HMGCS1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 543 amino acids (1-520 a.a) and having a molecular mass of 59.7kDa.HMGCS1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 80.0% as determined by SDS-PAGE.

**Content :** HMGCS1 protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHH SSGLVPRGSH MGSMPGSLPL NAEACWPKDV GIVALEIYFP SQYVDQAELE  
KYDGVDAGKY TIGLGQAKMG FCTDREDINS LCMTVVQNLM ERNNLSYDCI GRLEVGTETI IDKSKSVKTN  
LMQLFEESGN TDIEGIDTTN ACYGGTAADF NAVNWIESSS WDGRYALVVA GDIADVATGN ARPTGGVGAV  
ALLIGNAPL IFERGLRGTH MQHAYDFYKP DMLSEYPIVD GKLSIQCYLS ALDRCYSVYC KKIHAQWQKE  
GNDKDFTLND FGFMIHSPY CKLVQKSLAR MLLNDFLNDQ NRDKNISYSG LEAFGDVKLE DTYFDRDVEK  
AFMKASSELF SQKTKASLLV SNQNGNMYTS SVYGLASVL AQYSPQQLAG KRIGVFSYGS GLAATLYSLK  
VTQDATPGSA LDKITASLCD LKSRLDSRTG VAPDVFAENM KLREDTHHLV NYIPQGSIDS LFEGTWYLV  
VDEKHRRTYA RRPTNDDTL DEGVGLVHSN IATEHIPSPA KKVPRLPATA AEPEAAVISN GEH