

3-Hydroxy-3-Methylglutaryl-CoA Synthase 1 Human Recombinant

Item Number	rAP-1851
Synonyms	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-Met
Description	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.
Uniprot Accesion Number	Q01581
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMPGSLPL NAEACWPKDV GIVALEIYFP SQYVDQAELE KYDGV DAGKY TIGLGQAKMG FCTDREDINS LCMTVVQNLN ERNLSYDCI GRLEVTETI IDK- SKSVKTN LMQLFEESGN TDIEGIDTTN ACYGGTAAVF NAVNWISSS WDGRYALVVA GDIAYATGN ARPTGGVGAV ALLIGNAPL IFERGLRGTH MQHAYDFYKP DMLSEYPIVD GKLSIQCYLS AL- DRCYSVYC KKIHAQWQKE GNDKDFLND FGFMIHSPY CKLVQKSLAR MLLNDFLNDQ NRDKNSIYSG LEAFGDVKLE DTYFDRDVEK AFMKASSELF SQKTKASLLV SNQNGNMYTS SVYGSLASVL AQYSPQQLAG KRIGVFSYGS GLAATLYSLK VTQDATPGSA LDKITASLCD LKSR LDSRTG VAPDVFA- ENM KLREDTHHLV NYIPQGSIDS LFEGTWYLVV RDEKRRRTYA RRPTPNDDTL DEGVGLVHSN
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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.
Formulation and Purity	HMGCS1 protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT. Greater than 80.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**