

HMGCS1, 1-520aa, Human, His tag, E.coli

Cat.NO.: TP02472

3th Edition

Synonyms:Hydroxymethylglutaryl-CoA synthase, cytoplasmic, HMGCS

Description: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

Form:Liquid. In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

Molecular Weight:59.7kDa (543aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMPSLPLNAEACWPKDVGIVALEIYFPSQYVDQAELEKYDGV DAGKYTIGLG
QAKMGFCTDREDINSLCMTVVQNL MERNNLSYDCIGRLEVGTETIIDKSKSVKTNLMQLFEESGNTDIEGIDTTNAC
YGGTAAVFNAVNWIESSWDGRYALVVAGDIAVYATGNARPTGGVGA VALLIGPNAPLIFERGLRGTHMQHAYDFY
KPDMLSEYPIVDGKLSIQCYLSALDRCYSVYCKKIHAQWQKEGNDKDFTLNDFGFMIFHSPYCKLVQKSLARMLLN
DFLNDQNRDKNSIYSGLEAFGDVKLEDTYFDRDVEKAFMKASSELSQKTKASLLVSNQNGNMYTSSVYGSLASVL
AQYSPQQLAGKRIGVFSYGSGLAATLYSLKVTQDATPGSALDKITASLCDLKSRLDSRTGVAPDVFAENMKLRDT
HHLVNYIPQGSIDSLFEGTWYLV RVDEKHRRTYARRPTPNDDTLDEGVGLVHSNIATEHIPSPAKKVPRLPATAAEP
EAAVISNGEH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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