

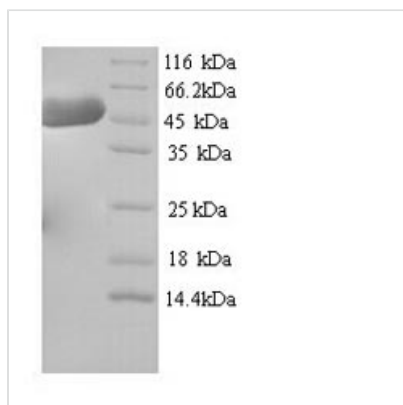


Recombinant Mouse Hydroxymethylglutaryl-CoA synthase, Cytoplasmic domain (Hmgcs1)

Product Code	CSB-YP812948MO
Relevance	This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.
Abbreviation	Recombinant Mouse Hmgcs1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8JZK9
Alias	3-hydroxy-3-methylglutaryl coenzyme A synthase
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MPGSLPLNAEACWPKDVGIVALEIYFPSQYVDQAELEKYDGVDAGKYTIGLGQ ARMGFCTDREDINSLCLTVVQKLMEHLSYDCIGRLEVGTETIIDKSKSVKSN LMQLFEESGNTDIEGIDTTNACYGGTAAVFNAVNWVESSWDGRYALVVAGDI AIYATGNARPTGGVGAVALLIGNAPLIFDRGLRGTHMQHAYDFYKPDMLSEY PVVDGKLSIQCYLSALDRCYSVYRKKIRAQWQKEGKDKDFTLNDFGFMIFHSP YCKLVQKSLARMFLNDFLNDQNRDKNSIYSGLEAFGDVKLEDTYFDRDVEKAF MKASSELFNQKTKASLLVSNQNGNMYTSSVYGLASVLAQYSPQQLAGKRVG VFSYGSLAATLYSLKVTQDATPGSALDKITASLCDLKSRLDSRTCVPDVF AE NMKLREDTHHLANYIPQCSIDSLFEGTWYLVVRVDEKHRRTYARRPFTNDHSLD EGMGLVHSNTATEHIPSPAKKVPRLPATSAESESAVISNGEH
Research Area	Others
Source	Yeast
Target Names	Hmgcs1
Protein Names	Recommended name: Hydroxymethylglutaryl-CoA synthase, cytoplasmic Short name= HMG-CoA synthase EC= 2.3.3.10 Alternative name(s): 3-hydroxy-3-methylglutaryl coenzyme A synthase
Expression Region	1-520aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	59.6kDa
Protein Length	Full Length



Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.