

Recombinant Mouse HMGCS1 Protein (1-520 aa), His-tagged

Cat. No. HMGCS1-1691M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse HMGCS1 Protein (1-520 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	Mouse
Source	Yeast
ProteinLength	1-520 aa
Description	This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	59.6 kDa
AA Sequence	MPGSLPLNAEACWPKDVGIVALEIYFPSQYVDQAELEKYDGV DAGKYTIGLGQARM GFCTDREDINSLCLTVVQKL MERHLSYDCIGRLEVGTETIIDKSKSVKSNLMQLFEE SGNTDIEGIDTTNACYGGTA AVFNAVNWVESSSWDGRYALVVAGDIAIYATGNARPT GGVGAVALLIGPNAPLIFDRGLRGTHMQHAYDFYKPDMLSEYPVVDGKLSIQCYLSA LDRCSVYRKKIRAQWQKEGKDKDFTLNDFGFMIFHSPYCKLVQKSLARMFLNDFL NDQNRDKNSIYSGLEAFGDVKLED TYFDRDVEKAFMKASSELFNQKTKASLLVSNQ NGNMYTSSVYGLASVLAQYSPQQLAGKRVGVFSYGSGLAATLYSLKVTQDATPGS ALDKITASLCDLKSRLDSRTC VAPDVFAENMKLREDTHHLANYIPQCSIDSLFEGTWY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	LVRVDEKHRRTYARRPFTNDHSLDEGMGLVHSNTATEHIPSPAKKVPRLPATSAES ESAVISNGEH
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

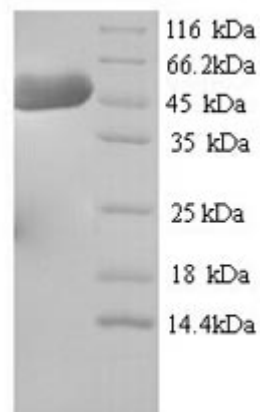
GENE INFORMATION

Gene Name	Hmgcs1 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 [Mus musculus]
Official Symbol	HMGCS1
Synonyms	HMGCS1; 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1;
Gene ID	110808
UniProt ID	Q8JZK9

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

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