

Recombinant Mouse HMGCR Protein (700-860 aa), His-tagged

Cat. No. HMGCR-2377M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse HMGCR Protein (700-860 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cardiovascular. Protein Description: Partial.
Species	Mouse
Source	E.coli
ProteinLength	700-860 aa
Description	Transmembrane glycoprotein that is the rate-limiting enzyme in cholesterol biosynthesis as well as in the biosynthesis of nonsterol isoprenoids that are essential for normal cell function including ubiquinone and geranylgeranyl proteins.
Form	Tris-based buffer,50% glycerol
Molecular Mass	20.4 kDa
AA Sequence	GRGKTVVCEAVIPAKVVREVLKTTTEAMVDVNINKNLVGSAMAGSIGGYNAHAANIV TAIYIACGQDAAQNVGSSNCITLMEASGPTNEDLYISCTMPSIEIGTVGGGTNLLPQQ ACLQMLGVQGACKDNPGENARQLARIVCGTVMAGELSLMAALAAGH
Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4

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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 will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name

Hmgcr 3-hydroxy-3-methylglutaryl-Coenzyme A reductase [*Mus musculus*]

Official Symbol

HMGCR

Synonyms

HMGCR; HMG-CoA reductase; 3-hydroxy-3-methylglutaryl-CoA reductase; Red; HMG-CoAR; MGC103269;

Gene ID

15357

mRNA Refseq

NM_008255

Protein Refseq

NP_032281

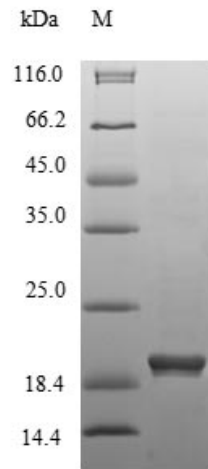
UniProt ID

Q01237

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

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