

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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.                                 |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 700-860 aa                                                                                                                                                                                                                                    |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Tris-based buffer,50% glycerol                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 20.4 kDa                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | GRGKTVVCEAVIPAKVVREVLKTTTEAMVDVNINKNLVGSAMAGSIGGYNAHAANIV<br>TAIYIACGQDAAQNVGSSNCITLMEASGPTNEDLYISCTMPSIEIGTVGGGTNLLPQQ<br>ACLQMLGVQGACKDNPGENARQLARIVCGTVMAGELSLMAALAAGH                                                                     |
| <b>Purity</b>           | > 85% as determined by SDS-PAGE.                                                                                                                                                                                                              |
| <b>Notes</b>            | 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**

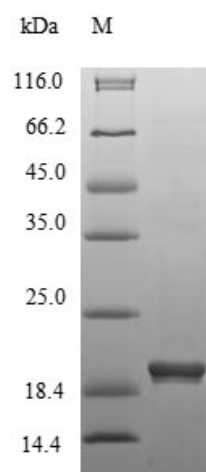
**UniProt ID**

**Q01237**

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

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