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

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

## SPECIFICATION

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| **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 |

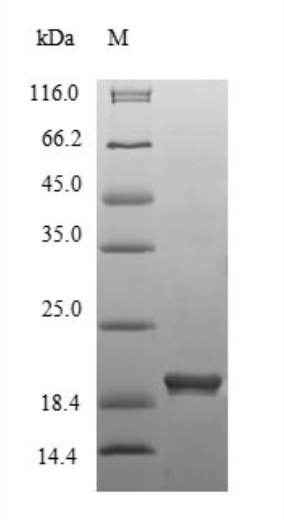
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| | centigrade for up to one week. |
| **Storage** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -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

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| **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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