

Recombinant Human HMGCRC protein, GST-tagged

Cat. No. HMGCRC-19H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HMGCRC(1 a.a. - 835 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-835 a.a.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	118.4 kDa
AA Sequence	MLSRLFRMHGLFVASHPWVIVGTVTLTICMMSNMFTGNNKICGWNYECPKFEED VLSSDIILITITRCIALLY IYFQFQNLRLQLGSKYILGIAGLFTIFSSFVFSTVVIHFLDKELT GLNEALPFFLLIDLSRASTLAKFALSSNSQ DEVRENIARGMAILGPTFTLDALVECLV IGVGTMSGVRQLEIMCCFGCMSVLANYFVFMTHFFPACVSLVLELSRE SREGRPIWQ LSHFARVLEEEENKPNPVTQRVKMIMSLGLVLVHAHSRWIADPSPQNSTADTSKVSL GLDENVSKR IEPVSLWQFYLSKMISMDIEQVITLSLALLLAVKYIFFEQTTETESTLSL KNPITSPVVTQKKVPDNCRRPML VRNNQKCDSEVEETGINRERKVEVIKPLVAET DTPNRATFVVGNSSLLDTSSVLVTQEPEIELPREPRPNEECLQ ILGNAEKGAKFLSD AEIIQLVNAKHIPAYKLETLMETHERGVSI RRQLLSKKLSEPSSLQYLPYRDYNYSLLG GG ASSRVLADGMTRGPVVR LPRACDSAEVKAWLETSEGF AVIKEAFDSTSRFARL QKLHTSIAGRNL YIRFQSRSGD AMGMNMISKGTEKALS KLHEYFP EMQILAVSGNY CTDKKPAAINWIEGRGKSVVCEAVIPAKVVREVLKTTTEAM IEVNINKNLVGSAMAG

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SIGGYNAHAANIVTAIYIACGQDAAQNVGSSNCITLMEASGPTNEDLYISCTMPSIEIG
TVGGGTNLLPQQACLQMLGVQGACKDNPGENARQLARIVCGTVMAGELSLMAALA
AGHLVKSHMIHNRSKINLQD LQGACTKKTA

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

HMGCRC 3-hydroxy-3-methylglutaryl-CoA reductase [Homo sapiens]

Official Symbol

HMGCRC

Synonyms

HMGCRC; 3-hydroxy-3-methylglutaryl-CoA reductase; 3 hydroxy 3 methylglutaryl
Coenzyme A reductase; 3-hydroxy-3-methylglutaryl-Coenzyme A reductase; 3
hydroxy 3 methylglutaryl CoA reductase (NADPH); hydroxymethylglutaryl CoA
reductase; HMG-CoA reductase; hydroxymethylglutaryl-CoA reductase; 3-hydroxy-3-
methylglutaryl CoA reductase (NADPH); LDLQC3;

Gene ID

3156

mRNA Refseq

NM_000859

Protein Refseq

NP_000850

MIM

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UniProt ID	P04035
Chromosome Location	5q13.3-q14
Pathway	Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; C5 isoprenoid biosynthesis, mevalonate pathway, organism-specific biosystem; C5 isoprenoid biosynthesis, mevalonate pathway, conserved biosystem; Cholesterol Biosynthesis, organism-specific biosystem; Cholesterol biosynthesis, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem;
Function	NADP binding; hydroxymethylglutaryl-CoA reductase (NADPH) activity; oxidoreductase activity;

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