

Recombinant Human HMGCR protein, GST-tagged

Cat. No. HMGCR-20H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HMGCR(426-888 (N-terminal truncation)) fused with GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	426-888 a.a.
Form	Supplied as a solution containing 250 µg protein in 50 mM Tris pH 7.5, with 5 mM DTT, 1:200 Protease Inhibitor Cocktail and 50% (w/v) glycerol.
Molecular Mass	76.5 kDa
Purity	Purity ≥90% estimated by SDS-PAGE
Unit Definition	One unit will convert 1.0 µmole of NADPH to NADP+ per minute at 37 centigrade.
Stability	9 months
Storage	Store at -80 centigrade

GENE INFORMATION

Gene Name	HMGCR 3-hydroxy-3-methylglutaryl-CoA reductase [Homo sapiens]
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 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

Official Symbol	HMGCR
Synonyms	HMGCR; 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); LDLCQ3;
Gene ID	3156
mRNA Refseq	NM_000859
Protein Refseq	NP_000850
MIM	
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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