

HMGCR 抗原（重组蛋白）

中文名称： HMGCR 抗原（重组蛋白）

英文名称： HMGCR Antigen (Recombinant Protein)

别名： LDLCQ3

储存： 冷冻（-20℃）

相关类别： 抗原

概述：

Fusion protein corresponding to C terminal 300 amino acids of human HMGCR

技术规格：

Full name:	3-hydroxy-3-methylglutaryl-CoA reductase
Synonyms:	LDLCQ3
Swissprot:	P04035
Gene Accession:	BC033692
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	HMG-CoA reductase is the rate-limiting enzyme for cholesterol synthesis and is regulated via a negative feedback mechanism mediated by sterols and non-sterol metabolites derived from mevalonate, the product of the reaction catalyzed by reductase. Normally in mammalian cells this enzyme is suppressed by cholesterol derived from the internalization and degradation of low density lipoprotein (LDL) via the LDL receptor. Competitive inhibitors of the reductase induce the expression of LDL receptors in the liver, which in turn increases the catabolism of plasma LDL and lowers the plasma concentration.

centration of cholesterol, an important determinant of atherosclerosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.