

Recombinant Human HMGCR

Catalog No: #GP11628



Package Size: #GP11628-1 100ug

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Description

Product Name	Recombinant Human HMGCR
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 300 amino acids of human 3-hydroxy-3-methylglutaryl-CoA reductase
Target Name	3-hydroxy-3-methylglutaryl-CoA reductase
Other Names	LDLCQ3
Accession No.	Swissprot:P04035Gene Accession:BC033692
Uniprot	P04035
GenelD	3156;
Storage	-20~-80°C, pH 7.6 PBS

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

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

Note: This product is for in vitro research use only