

Product datasheet for **KN213184BN**

HMGR Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	HMGR
Locus ID:	3156
Components:	<p>KN213184G1, HMGR gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN213184G2, HMGR gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN213184BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	NM_000859 , NM_001130996 , NM_001364187
UniProt ID:	P04035
Synonyms:	LDLCQ3
Summary:	<p>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. [provided by RefSeq, Aug 2008]</p>



[View online »](#)

Product images:

