

Product datasheet for **SC216361**

HMGCR (NM_001130996) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	HMGCR (NM_001130996) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	HMGCR
Synonyms:	LDLCQ3
ACCN:	NM_001130996
Insert Size:	1792 bp



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Insert Sequence:

>SC216361 3' UTR clone of NM_001130996

The sequence shown below is from the reference sequence of NM_001130996. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

ACAAGACCTCCAAGGAGCTTGCACCAAGAAGACAGCC**TGA**ATAGCCCGACAGTTCTGAACTGGAACATGG
GCATTGGGTTCTAAAGGACTAACATAAAATCTGTGAATTAATAAGCTCAATGCATTGTCTTGTGGAGGA
TGAATAGATGTGATCACTGAGACAGCCACTTGGTTTTGGCTCTTTCAGAGAGGTCTCAGGTTCTTTCCA
TGCAGACTCCTCAGATCTGAACACAGTTTAGTGCTTTACATGCTGTGCTCTTTGAAGAGATTTCAACAAG
AATATTGTATGTTAAAGCATCAGAGATGGTAATCTACAGCTCACCTCTGAAGGCAAAATAAGCTGGGAA
AAAAGTTTTGATGAAATCTTGAAGTTCATGGTATCAGTGAATGACCTTCTCCCTCACTCTGCCAG
TTGAAAATGGATTTTTAAATTACTGTAGCTGATGAACTCCTGATTTTGTAGTTAATTTATTAAGTCT
GGGATGTAGAACTCAAGAAGTAAGAGCTAAGTCTAAGTTCATGTTTGTAAATTAATACTTCATTTGGT
GCTGGTCTATTTGATTTGGGGGTAATCAGCATTATCTTTCAGAAGGGGACCTGTTTTCTCAAGGGA
AGAAACTCTTATCCAAACTACAGAATAATGTGTTAAACATGCTAAATAGTTCTATCAGGAAAAAA
ATCACTGTATTTATCTCCGAGGCTATTTGTTTCAGAGAGGCTTTTGTAAATATAAATGTTAAATAT
AAATGTTTGTCTGGATTGGCTATAACATGTCTTTCAGCATTAGGCTTTTAAAGAACACAGGGTTTTGTAT
TCTTTACTAAAGATATCAGAGCTCTTAATGTTGCTTAGATGAGGGTGACTGTCAAGTACAAGCAAGACTG
GGACCTTAGAAATCATTGTAGAAACACAGTTTTGAAAGAAAAATACCATGTCTTAAGCCAACTTAAT
GCTTAAAGACATTTTTATTTAGTTGAAAAATCTAGTTTTTTTTGTAACTGTATCAAATCTGTATATGT
TGTAATAAAACTTATGCTAGTTTATTGGAAGTGTCAAGAAATAAAATCAACTTGTGTACTGATAAAAT
ACTCTAGCCTGGCCAGAGAAGATAATGTTCTTAAATGTTGTCAGGAAACCCTGGCTTCTTGGCCGAGC
CTAATGAAAGGAAAGTCACTTTCAGAGCCAGTGAAGGAGCCACGTGAATGGCCCTAGAACTGTGCCTA
GTTCTGTGGCCAGGAGTTGGTGACTGAAACATTCACACAGGGCTCTTGTGAGCCACGAAACGCTCT
TAGCTTCTCAGGGGTCAAGAGTATTGAATCTTAAATTTTTTTTAAATGTACAAGTTTTGTATAAATA
ATAAAGAACTCCTATTTTGTATTACATCTAATGCTTCAAGTGTGCTCTTGGAAAGCTGATGATGTCTC
TTGTAGAAGATGACTCTGAAAAACATCCAGGAAACCATGGCAGCATGGAGAGCCTCTTAGTGATTGTG
TCTGCATTGTTATTGTGAAGATTTACCTTTCTGTTGTACGTAAGCTTAAATGCTTTTGTGTTGACT
TTTTAGCCAGTACTTTTTCTGAGCTTTTCATGGAAGTGGCAGTGAAAAATATGTTGAGTGTTCAATTTA
GTGACTGTAATTAATATCTTGCTGGATTAATGTTTTGTACAATTAATAATTGTATACATTTTGTATAG
AATACTTTTTCTAGTTTCAGTAAATAATGAAAAGGAAGTTA

ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCG

Restriction Sites:

Sgfl-Mlul

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_001130996.1](#)

Summary:

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]

Locus ID:

3156