

Product datasheet for **MC206001**

Hmgcr (NM_008255) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hmgcr (NM_008255) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hmgcr
Synonyms: HMG-CoAR; Red
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC085083
GGCAGCTGGGCCGGCTTGGCCTCCATTGAGATCCGGAGGATCCAAGGACTGTGAGGCTACAATGTTGTCA
AGACTTTTCCGGATGCATGGCCTCTTCGTGGCCTCCCACCCCTGGGAAGTTATTGTGGAAACAGTGACAC
TTACAATCTGTATGATGTCCATGAACATGTTACCCGGCAACAACAAGATCTGTGGCTGGAATTATGAGTG
CCCCAAATTTGAAGAGGACGTGCTGAGCAGCGACATCATCATCCTGACGATAACGCGGTGCATCGCCATC
CTGTACATTTACTTCCAGTTCAGAATCTACGGCAGCTTGGGTCCAAGTACATTCTGGGTATTGCTGGCC
TCTTCACAATTTTCTCAAGCTTTGTCTTCAGTACAGTCGTCATTCAATTCCTCGACAAAGAAGTACAGG
CTTAAATGAAGCTTTGCCCTTTTTCTGCTCTTGATTGACCTTTCTAGAGCGAGTGCATTAGCAAAGTTT
GCCCTCAGTTCAAATTCACAGGATGAAGTAAGGGAAAATATAGCTCGTGGAAATGGCAATCTGGGCCCA
CATTCACTCTTGACGCTCTGTGGAATGCCTGTGATTGGAGTTGGCACCATGTCAGGCGTCCGCCAGCT
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GCCTGTGTGCTCGCTGGTCTAGAGCTTTCTCGTGAAGCCGTGAGGGTCTCCAATTTGGCAGCTCAGCC
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CCTCCATCCGCCCTGGGACACAGGAGCCTGGAATTGAACTCCCCATCGAGCCACGACCTAATGAAGAAT
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TGACTCGAGGCCAGTGGTGCCTTCCACGTGCTTGTGACTCTGCAGAAGTAAAGACCTGGCTTAAAA
 ACCTGAAGGGTTTGCAGTGATAAAGGAGGCCTTTGATAGCACCAGCAGATTTGCTCGTCTACAGAACTC
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 ACTTAGAGTGTGGGAACAGTT
 CCAAGTTTCTTTTAGAGACATTTAACTTATTTAGCTGAACTCTAGATTTTTTGGTAAACTATCAATCT
 GTATATGTTGTAATTAAGTGTCTAATGCTAGGAGTTTATTGGAAGTGTAAAGAAATAAAAGAACTCAAC
 TTTTACACTGATAAAATACTCTAGCTTGGGCCAGAGAAGACAGTGTCTATTAGCACTGGTCCAGGAAACC
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 GGGCCCAAAAAGCTCTTAGCTTCTCAGGGGTCAGCAGAGTTGTTGAATCTTAATTTTTTTTTTTTTTTA
 ATGTACCAGTTTTGTATAAATAATAAAGAGCTCCTTATTTTGTATTCTAAAAAAAAAAAAAAAAAAAAA AAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_008255
- Insert Size:** 2664 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC085083](#), [AAH85083](#)

RefSeq Size: 3996 bp

RefSeq ORF: 2664 bp

Locus ID: 15357

UniProt ID: [Q01237](#)

Cytogenetics: 13 50.65 cM

Gene Summary: Transmembrane glycoprotein that is the rate-limiting enzyme in cholesterol biosynthesis as well as in the biosynthesis of nonsterol isoprenoids that are essential for normal cell function including ubiquinone and geranylgeranyl proteins.[UniProtKB/Swiss-Prot Function]