

Product datasheet for **RN215489**

Hmgcr (NM_013134) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hmgcr (NM_013134) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hmgcr
Synonyms:	3H3M
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN215489 representing NM_013134
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTGTCAAGACTTTTTCCGTATGCATGGCCTCTTTGTGGCCTCCCATCCCTGGGAGGTAATTGTGGGAA
 CGGTGACACTTACTATCTGTATGATGTCCATGAACATGTTACCCGCAACAACAAGATCTGTGGTTGGAA
 TTATGAGTGCCCAAAATTTGAAGAGGACGTGCTGAGCAGCGACATCATCATCCTCACGATAACCCGGTGC
 ATCGCCATCCTGTACATCTACTTCCAGTTCAGAACCTGCGTCAGCTTGGGTCAAAGTACATTTTGGGTA
 TTGCCGGCCTCTTCAAAATTTCTCAAGTTTCGTCTTCCAGCACTGTCGTATTCTTTCTCGACAAAGA
 ATTGACAGGCTTAAATGAAGCTTTGCCCTTTTTCTGCTCTTGATTGACCTTTCTAGAGCGAGTGCATTG
 GCCAAGTTTGCCTGAGTTCAACTCACAGGATGAAGTAAGGAGAATATAGCCGCTGGGATGGCGATCC
 TGGGCCCCACGTTACCCTTGACGCTCTGGTGAATGTCTTGTGATTGGAGTTGGCACCATGTCAGGGT
 GCGGCAGCTTGAGATCATGTGCTGCTTTGGCTGTATGTCCGTGCTTGCCAACTACTTTGTCTTCATGACA
 TTCTTCCAGCCTGCGTGTCCCTGGTCTAGAGCTTTCTCGGAAAGCCGTGAGGGTTCGCAATTTGGC
 AGCTCAGCCATTTTCCAGAGTTTTAGAAGAAGAGAATAAACCAAACCCAGTAAACCAAAGGGTCAA
 GATGATCATGTCTTAGGCCTGGTCTTGTTCACGCTCACAGTCGCTGGATAGCTGATCCTTCTCCTCAG
 AACAGCACAGCAGAACAGTCTAAGGTTTCTTGGGTCTGGCTGAAGATGTGTCCAAGAGAATTGAGCCGA
 GTGTTTCTCTCTGGCAGTTTTACCTCTCCAAGATGATCAGCATGGACATCGAGCAAGTGATTACCCTGAG
 CTTAGCGTTGCTTTTGGCTGTCAAGTATATTTCTTTGAACAAGCAGAGACAGAATCAACACTCTCATT
 AAAAACTATCATATCCTCTCGTGTGACCCCAAGAAAGCTCAAGACAAGTGTGTAGAGCTGAGCCTC
 TGCTTGTGAGGAGGAACCAAGCTTTTCGTGAGTGGAGGAGGATCCAGGAGTGAACCAAGACAGAAAAGT
 TGAGGTTATAAAACCTTTAGTGGCAGAAGCCGAGACTTCGGGCAGAGCTACGTTTGTGCTTGGCGCCTCT
 GCAGCCAGCCCTCCATTGGCCCTGGGGGCACAGGAGCCTGGGATCGAACTCCCCAGCGAGCCTCGACCTA
 ATGAAGAGTGTCTACAGATACTGGAGAGTGCAGAGAAAGGTGCGAAGTTCCTTAGTGATGCAGAGATCAT
 CCAGTTGGTCAATGCTAAGCACATCCAGCCTACAACTGGAAACCTCATGGAGACGCACGAGCGTGGT
 GTGTCTATTCGCCGCGAGCTCCTCTCCGCCAAGCTTGCAGAGCCATCTTCTGTCAGTACCTGCCTTACA
 GAGACTATAATTACTCCTTGGTGTGGGAGCTTGTGTGAGAACGTGATCGGATATATGCCCATCCCTGT
 TGGAGTGGCAGGACCTCTGTGCCTGGATGGAAAAGAGTACCAGGTGCCAATGGCAACAACAGAAGGTTGT
 CTTGTGGCCAGCACGAACAGAGGCTGCAGAGCGATCAGTCTTGGTGGAGGTGCCAGCAGCCGGTCTTGT
 CAGATGGGATGAGCCGAGGCCAGTGGTGCCTTCTCCTCGTCTTGTGACTCAGCAGAGGTGAAGAGCTG
 GCTTGAACACCTGAAGGTTTGCAGTGGTAAAGGAGGCCTTCGACAGCACGAGCAGATTTGCACGTCTA
 CAGAACTTACGTGACGCTGGCAGGACGCAACCTCTACATCCGTCTCCAGTCCAAAACGGGGGACGCCA
 TGGGATGAACATGATTTCCAAGGTTACGGAGAAAGCACTTCTGAAGCTTCAAGAGTTCTTTCTGAGCT
 GCAGATTCTGGCGGTGAGTGGTAACTATTGCACCGACAAGAACTGTGCCATAAACTGGATCGAAGGG
 AGAGGAAAGACTGTGGTTTGTGAAGCTGTATTCCAGCCAAGGTGGTGAAGAGTATTAAGACGACTA
 CGGAAGCTATGGTTGACGTAACATTAACAAGAATCTTGTGGCTCTGCCATGGCTGGTATAGGAGG
 CTACAACGCCCATGCTGCCAACATCGTCACTGCCATCTACATTGCATGTGGCCAGGATGCACACAGAAT
 GTGGGGAGTTCAAAGTATTACGTTAATGGAAGCAAGTGGTCCACAAAATGAAGACTTATACATCAGCT
 GTACCATGCCGTCTATAGAGATCGGAACCGTGGTGGTGGGACCAACCTTCTACCTCAGCAAGCCTGCCT
 GCAGATGTAGGTGTTCAAGGGCGTGCAAAGACAATCCTGGAGAAAATGCACGCGAGCTTGCCGAATT
 GTGTGTGGCACTGTGATGGCTGGTGAAGTGTCTTGTGATGGCAGCATTGGCAGCAGGACATCTTGTGAGAA
 GTCACATGGTTCAACAGATCAAAGATAAATTTACAAGATCTGCAGGGAACATGCACCAAGAAGGCAGC
 TTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3203_c03.zip

Restriction Sites: Sgfl-Mlul

ACCN:	NM_013134
Insert Size:	2664 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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).</p>
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:	<ol style="list-style-type: none"> 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:	<u>NM_013134.2</u> , <u>NP_037266.2</u>
RefSeq Size:	4319 bp
RefSeq ORF:	2664 bp
Locus ID:	25675
UniProt ID:	<u>P51639</u>
Cytogenetics:	2q12
Gene Summary:	enzyme involved in mevalonate synthesis [RGD, Feb 2006]