

Product datasheet for **MC201940**

Hmgcs1 (NM_145942) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Hmgcs1 (NM_145942) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Hmgcs1 |
| Synonyms: | B130032C06Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC031363 sequence for NM_145942
 ATCCCCTTTGGTGGCTGAAGGAGGAACCGGTGACCGACCTGGAGACCACAGTTCTCTGTCCTTCACACAG
 CTCTTTACCATGCCTGGGTCACTTCCTTTGAATGCAGAGGCTTGTCTGGCCAAAAGATGTGGGAATCGTT
 GCCCTTGAATCTACTTTCTTCTCAATATGTCGATCAAGCTGAGTTGGAAAAATACGATGGTGTAGATG
 CTGGAAAGTATACCATCGGCCTGGGCCAGGCCAGGATGGGCTTCTGCACGGATCGTGAAGACATCAACTC
 TCTTTGCCCGACTGTGGTTCAGAACTGATGGAGAGACATAGCCTTTCTATGATTGCATTGGGCGGCTA
 GAAGTTGGAACAGAGACAATCATGACAATCGAAATCAGTGAAGTCTAATTTGATGCAGCTGTTTGAGG
 AGTCTGGGAATACAGATATAGAAGGAATAGATACAACCAATGCATGCTATGGGGGCACAGCTGCAGTCTT
 CAATGCCGTGAACCTGGGTGCAATCCAGCTCTTGGGATGGACGATATGCTCTGGTAGTTGCAGGAGACATT
 GCTATATATGCCACAGGAAATGCCAGACCTACAGGTGGAGTTGGAGCTGTGGCCCTGCTAATTTGGGCCAA
 ACGCTCTCTAATTTTGGACCGAGGCTCCGTGGGACACACATGCAGCATGCCTATGACTTTTACAAGCC
 TGACATGCTCTCCGAGTACCCTGTGGTGCAGGAAAGCTCTCCATACAGTGTACCTCAGCGCCCTGGAC
 CGCTGCTATTCTGTCTACCGCAAAAAGATCCGTGCCAGTGGCAGAAAGAGGGAAAGGATAAAGATTTTA
 CCCTGAATGATTTTGGCTTCATGATCTTCACTCACCATATTGTAAGTGGTGCAGAAATCTCTAGCTCG
 GATGTTCTGAATGACTTTCTAATGATCAAAACAGAGATAAAAACAGTATTTACAGTGGACTGGAAGCC
 TTTGGGGACGTTAAATTAGAAGATACTTACTTTGACAGAGATGTAGAAAAGGCATTTATGAAGGCTAGTT
 CTGAGCTATTCAACCAGAAAACAAGGCGTCTTTGCTTGTGTCTAATCAGAATGGAATATGTACACATC
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 GGAGTGTCTCTTACGGTCTGGCTTGGCTGCCACGCTGTACTCCCTAAAGTCACACAAGACGCCACAC
 CAGGATCTGCCCTTGATAAAAATAACAGCAAGTTTATGTGACCTTAAATCAAGGCTTGACTCGAGAATTG
 TGTGGCACCGGATGTCTTTGCTGAAAACATGAAGCTCAGAGAGGACACACATCACTTAGCCAATATATT
 CCCAGTGTCAATAGACTCACTCTTTGAAGGAACGTGGTATCTGGTCAAGTGGATGAAAAACACAGAA
 GGACTACGCCCGCGCCCTTCAAAAATGACCACAGTTTGGATGAAGGAATGGGGCTCGTGCATAGTAA
 CACAGCAACAGAGCATATTCCAAGCCCTGCTAAGAAAGTGCCAAGACTCCCTGCAACCTCGGCCGAATCT
 GAATCAGCTGTCTCAGTAACGGGGAGCACTGAGAGTCTGTGGCCTTACAGAGGCTCGGGGCCGGGATG
 GGGTATGGAACGGTTGGAGGAATGGATGTCTTGGGACAATTTTGCAGATTATGTGTGCTTAAATGTA
 ATGTAAGTACACAGAGCCAGAAAGCTATTGTGTTTTTGGAAAAGTCTCTGCTGAACTGAACTGCTAA
 CATGCTTCTGTGTGGTCTGGCCAGTGGTAAATGACTGCAGTGTAAAGGGCTCTGTAGAATTTT
 ATACCTCTCTGGATGTTTATACGCATGCAGTTTAGTTTTAGATGTGGTATGAACTGAGTCTTCTGACA
 GCAAAAAGCAGAGGTAAGTGTCCAATTTTTAAAAAACGTTTTTTTTTTTTCTTTTTTATGTGTAAG
 AATTTTATACTTAAAGTATCTGTAGCTTTTGGGGTGAACAAAAAATTTTCTAGTTGGGGTGTGAAAT
 TTAATGTTACACACAAGACCCTGTTTGAATAAGCAAGGCAAAACATTTATCTTTTTCAAGATTTGTAA
 ATCCTGAAGAGAAAAAGAGGGTATGGTTCAAGATCTGGATGAACCATCAGTGAGAGGAAGGTTAGCTG
 TAATCACGTGAGCAGAAAGATGTGGCACTGAGCAGGCCTCCATCGTGTGGCAGGGTACACCTGGGCG
 TTGTGGACACAGCTGCGGGAACTTTTGGCCAGGTCTCCGTGGCAGTGTCTCAGCAGCACTGAGAGATGGC
 GCTGGAGCTTGTGCCCTCTGAGCACCCTCCCTGGGGGATAAAGTGTGAAGTAGGAAGGATGGGGCAGG
 CATTATTAGGTTAGTGTACAGATCCAGTTTATAGACTGACAGCTTCAATTCACGGGACACCTTTTTTCC
 TTTGTGGTTTGTGATTTCTGTGTTTTGTTTTGTTTTGTATCCGTTGAAAAATTAACCCACATTTTCC
 ATAGTAAAAATTTACATGGTCTGATTAGCCAAAAAGAATAAGATCTAGAAGTAGAACTCACACCATTT
 TTTTTCTAACTTTGATTTCTAAAACAACAAAACTACCACATGAGCTGAATAAGAAAAATCACTAGCAA
 GTTCTCTGGATGATTTTTGGTGTGAACAATGACATGAGCCTCAGACTGTAAAATAGAGGTAGTTGGAAC
 TAATGTACAGAACTAAATTTCTAACCTTATTTGCGTTAATTCTGTGAAGTTTCAAGTTATCTAAAAATA
 ATGTGTAATGTTTCAAGTTGCAAGGTGATAAGTAAATGTAGCATTGTAAGATACTTGTCAATATTAAC
 TAGTAGGATTTTGTATTTGACAGTTTTAATTGGTTAAAATGATCTCATTTAAACATCCACTGCTATAGAT
 GAATAATGTAAGTTCAAGTTTAAATGAATGGTGGGAGATGGTGCATGTAATTTTTTGAAGTATTGAGA
 GTTCTGTATGTTTTGAAAAGAGTAATTTAACGTTTGGGTGCCAAGAAGTGGGTTTTCTCAGAGTCCATT
 GCCGGCAATGGCAAGCCTGGCGTACTGGCACGGAGCGTTAACACACCTTACTAATAGCAAGGCCAAT
 AACTTTGAAATAAAGTTTTAGACAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_145942

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| Insert Size: | 1563 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: | <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: | BC031363 , AAH31363 |
| RefSeq Size: | 3278 bp |
| RefSeq ORF: | 1563 bp |
| Locus ID: | 208715 |
| UniProt ID: | Q8JZK9 |
| Cytogenetics: | 13 |
| Gene Summary: | <p>This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 both encode the same protein.</p> |