

Product datasheet for **MC228141**

Hmgcs1 (NM_001291439) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hmgcs1 (NM_001291439) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hmgcs1
Synonyms:	B130032C06Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228141 representing NM_001291439
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTGGGTCACTTCCTTTGAATGCAGAGGCTTCTGTCGCAAAAAGATGTGGGAATCGTTGCCCTTGAAA
 TCTACTTTCCTTCTCAATATGTCGATCAAGCTGAGTTGGAAAAATACGATGGTGTAGATGCTGGAAAGTA
 TACCATCGGCCTGGGCCAGGCCAGGATGGGCTTCTGCACGGATCGTGAAGACATCAACTCTCTTTGCCTG
 ACTGTGGTTCAGAACTGATGGAGAGACATAGCCTTTCCTATGATTGCATTGGGCGGCTAGAAGTTGGAA
 CAGAGACAATCATCGACAAATCGAAATCAGTGAAGTCTAATTTGATGCAGCTGTTTGAGGAGTCTGGGAA
 TACAGATATAGAAGGAATAGATACAACCAATGCATGCTATGGGGGCACAGCTGCAGTCTTCAATGCCGTG
 AACTGGTTCGAATCCAGCTCTTGGGATGGACGATATGCTCTGGTAGTTCAGGAGACATTGCTATATATG
 CACAGGAAATGCCAGACCTACAGGTGGAGTTGGAGCTGTGGCCCTGCTAATTGGCCAAACGCTCTCT
 AATTTTTGACCGAGGGCTCCGTGGGACACACATGCAGCATGCCTATGACTTTTACAAGCCTGACATGCTC
 TCCGAGTACCCTGTGGTGCAGGAAAGCTCTCCATACAGTGTACCTCAGCGCCCTGGACCCTGCTATT
 CTGTCTACCGCAAAAAGATCCGTGCCAGTGGCAGAAAAGAGGAAAGGATAAAGATTTTACCCTGAATGA
 TTTTGGCTTATGATCTTCACTCACCATATTGTAACCTGGTGCAGAAATCTCTAGCTCGGATGTTCCCTG
 AATGACTTTCTTAATGATCAAAAACAGAGATAAAAAACAGTATTTACAGTGGACTGGAAGCCTTTGGGGACG
 TTAATTAGAAGATACTTACTTTGACAGAGATGTAGAAAAGGCATTTATGAAGGCTAGTTCTGAGCTATT
 CAACCAGAAAACAAGGCGTCTTTGCTTGTGTCTAATCAGAATGGAAATATGTACACATCCTCTGTCTAT
 GGTTCCCTGGCTTCTGTCTGGCACAGTACTCACCTCAGCAGTTGGCAGGGAAGAGGGTTGGAGTGTCT
 CTTACGGTCTGGCTTGGCTGCCACGCTGTACTCCCTTAAAGTCAACAAGACGCCACACAGGACTCTGC
 CCTTGATAAAAATAACAGCAAGTTTATGTGACCTTAAATCAAGGCTTGACTCGAGAAGCTTGTGTGGCACCG
 GATGTCTTTGCTGAAAACATGAAGCTCAGAGAGGACACACATCACTTAGCCAATATATTCCCCAGTGT
 CAATAGACTCACTCTTTGAAGGAACGTGGTATCTGGTCAGAGTGGATGAAAAACACAGAAGGACTTACGC
 CCGGCGCCCTTCAAAATGACCACAGTTTGGATGAAGGAATGGGGCTCGTGCATAGTAACACAGCAACA
 GAGCATATTCCAAGCCCTGCTAAGAAAGTGCCAAGACTCCCTGCAACCTCGGCCGAATCTGAATCAGCTG
 TCATCAGTAACGGGGAGCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001291439

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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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: [NM_001291439.1](#), [NP_001278368.1](#)

RefSeq Size: 3518 bp

RefSeq ORF: 1563 bp

Locus ID: 208715

UniProt ID: [Q8JZK9](#)

Cytogenetics: 13

Gene Summary: This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.