

Product datasheet for **RN210877**

Hmgcs1 (NM_017268) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hmgcs1 (NM_017268) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hmgcs1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210877 representing NM_017268
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTGGGTCACCTTCTTTGAATGCAGAGGCTTCTGTCGCAAAAAGATGTGGGAATCGTTGCCCTTGAAA
 TCTACTTTCTTCTCAGTATGTTGATCAAGCTGAGTTGGAAAAATACGATGGTGTAGATGCTGGAAAGTA
 TACCATTGGCCTGGGCCAGGCCAGGATGGGCTTCTGCACGGATCGCAAGACATCAACTCTCTGCCTG
 ACTGTGGTTCAGAACTGATGGAGAGAAAAGCCTTCTATGACTGCATTGGGCGGCTGGAAAGTCGGGA
 CAGAGACAATCATCGACAAATCAAAATCCGTGAAGTCTAATTTGATGCAGCTGTTTGAGGAGTCTGGGAA
 TACAGATATAGAAGGAATAGATACAATAATGCATGCTATGGGGGCACAGCCGAGTCTTCAATGCTGTG
 AACTGGATCGAATCCAGCTCTTGGGATGGACGATACGCTTTGGTAGTTGCAGGAGACATCGCTATATATG
 CCTCAGGAAACGCCAGGCTACAGGTGGAGTTGGAGCTGTGGCTCTGCTAATTGGCCAAATGCTCTGT
 AATTTTTGACCGAGGGCTTCGTGGGACACACATGCAGCATGCCTACGACTTTTACAAGCCTGACATGCTC
 TCTGAATACCCTGTGGTAGATGGAAAATCTCCATACAGTGTACCTCAGCGCATTGGACCCTGCTATT
 CTGTCTACCGCAAAAAGATCCGGGCCAGTGGCAGAAAAGAGGAAAGGATAAAGATTTTACCCTGAATGA
 TTTTGGCTTATGATCTTCACTCGCCATACTGTAAGTGGTGCAGAAATCTCTAGCTAGGATGTTCTCTG
 AATGACTTTCTTAACGATCAAAACAGAGACAAAAACAGTATTTACAGTGGGCTGGAAGCCTTTGGGGATG
 TGAATTAGAAGATACTTCTCGACAGAGATGTGAAAAGGCATTTATGAAGGCTAGTGTGAGCTATT
 CAACCAGAAAACAAGGCATCTTTGCTTGTATCGAATCAAAATGGAAACATGTACACATCTCTGTATAC
 GGTTCCCTTGTCTGTCTGGCACAGTACTCACCTCAACAGTTGGCCGGGAAGAGGATTGGAGTGTCT
 CTTACGGTCTGGCTTGGCTGCCACACTCTCCCTTAAAGTACACACAAGATGCCACACCAGGATCTGC
 TCTTGACAAAATAACAGCAAGTTTATGTGACCTTAAGTCAAGGCTTGACTCAAGAACGTGTGTGGCACA
 GACGCTTTTGTGAAAACATGAAGCTCAGAGAGGACACACATCACTTAGCCAATATATCCCCAGTGT
 CAATAGATTCACTCTTGAAGGAACATGGTATCTAGTCAGAGTGGATGAAAAGCACAGAAGAACTTACGC
 CCGGCGTCCCTCCACAAATGACCACAGTTTGGATGAAGGAGTGGGACTTGTGCATTCAAACACAGCTACA
 GAGCATATTCCAAGCCCGGCTAAGAAAGTGCCAAGACTTCTGCGACCTCGGGCGAACCTGAGTCGGCTG
 TCATCAGTAACGGGGAGCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_017268
- 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:

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_017268.1](#), [NP_058964.1](#)

RefSeq Size: 3275 bp

RefSeq ORF: 1563 bp

Locus ID: 29637

UniProt ID: [P17425](#)

Cytogenetics: 2q15

Gene Summary: catalyzes the conversion of (S)-3-hydroxy-3-methylglutaryl-CoA and CoA to acetyl-CoA, acetoacetyl-CoA, and H₂O [RGD, Feb 2006]