

Product datasheet for **RN210173**

Hmgcs2 (NM_173094) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hmgcs2 (NM_173094) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Hmgcs2
Synonyms:	Hmgcs1; Mt3h3mg
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210173 representing NM_173094
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCACGGCTTTTGGCTCCAGCAAGGCGGGTCTGCAAGTGAAGAGAGTGATGCAGGAATCTTCGCTCT
 CACCCGCTCACCTGCTCCCCGACGCCAGCAGAGGTTTTCTACAATCCCTCCTGCTCCCCGGCCAAAAC
 TGATACATGGCCAAAAGATGTGGGCATCCTTGCCCTGGAGGTCTACTTTCCAGCCCAATATGTGGACCAA
 ACTGACCTGGAGAAGTTCAACAATGTGGAAGCAGGGAAGTACACAGTGGGCTTGGCCAGACCCGTATGG
 GCTTCTGTTGGTCCAGGAGGACATCAACTCCCTGTGCCTCACAGTGGTGCAGAGGCTGATGGAACGCAC
 AAAGCTGCCATGGGATGCCGTAGGCCGCTGGAAGTGGGCACGGAACCATCATTGACAAGTCCAAGGCT
 GTCAAGACAGTGTCTATGGAGCTCTCCAGGATTCAGGCAACACTGACATCGAGGGCATAGATACCACCA
 ACGCCTGCTATGGTGGCACTGCCTCCCTCTTCAACGCTGCCAACTGGATGGAGTCCAGCTACTGGGATGG
 TCGCTATGCCCTGGTGGTCTGTGGTGATATCGCAGTCTACCCAAGTGGTAAACGCCGCCCCACAGGTGGT
 GCCGGGGCTGTGGCAATGCTGATTGGGCCCAAGGCCCGCTAGTCTGGAACAAGGGCTGAGGGGAACCC
 ACATGGAGAACGCCTATGACTTCTACAAACCAAACTTGGCCTCAGAGTATCCACTGGTGGATGGGAAGCT
 GTCTATCCAGTGTACTCTGCGGGCTTGGACCGATGCTATGCAGCTTACCGCAGGAAAATCCAGAATCAG
 TGAAGCAAGCTGGAACAACCGCCTTACCCTCGATGACGTGCAATATATGATCTTCCACACACCCCT
 TTTGCAAGATGGTCCAGAAATCCCTAGCTCGGCTGATGTTCAATGACTTCTGTGATCTAGCAGTGACAA
 GCAGAACAACCTATACAAGGGTCTAGAGGCTTCAAGGGTCTAAAGCTGGAAGAAACCTACACCAACAAG
 GATGTTGACAAGGCTCTGCTGAAGGCTCCCTGGACATGTTCAACAAGAAAACCAAGGCCCTCCCTTACC
 TCTCCACAAACAATGGGAACATGTACACTCGTCCCTACGGGTGCCTGGCCTCACTTCTCTCCACCA
 CTCTGCCAAGAATTGGCCGGCTCCAGGATTGGAGCATTCTCTACGGCTCAGGCTTAGCAGCAAGTTTC
 TTCTATTTCGAGTGTCCAAGGACGCTTCCCCAGGTTCCCTCTGGAGAAGCTGGTGTCTAGTGTGTCAG
 ATCTGCCCAAACGTCTAGACTCCCGGAGACGATGTCCTGAGGAATTCACAGAAATAATGAATCAGAG
 AGAGCAATTTTACCACAAGGTGAAGTCTCTCCCTGGTACACAAGCAACCTTCTCCAGGCCTTGG
 TACCTTGAACGAGTGGATGAGATGCACCGCAGAAAATATGCCCGGCTCCCGT**TAA**

ACGGTACGGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_173094
- Insert Size:** 1527 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_173094.2](#), [NP_775117.2](#)

RefSeq Size: 2007 bp

RefSeq ORF: 1527 bp

Locus ID: 24450

UniProt ID: [Q68G44](#)

Cytogenetics: 2q34

Gene Summary: HMG-CoA cycle enzyme that catalyzes a step in ketone-body biosynthesis [RGD, Feb 2006]