

Product datasheet for **MC204498**

Hmgcs2 (NM_008256) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hmgcs2 (NM_008256) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hmgcs2
Synonyms:	1300002P16; mHS
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC014714
 AGGGCTGTGGACTGCTGGCTTTCTGTTGATACCTTAGAGATGCAGCGGCTTTTGGCTCCAGCGAGGCGGG
 TCCTGCAAGTGAAGAGAGCGATGCAGGAAACTTCGCTCACACCTGCTCACCTGCTCTCAGCAGCCCAGCA
 GAGGTTTTCTACAATCCCTCCTGCTCCCCTGGCCAAAACAGATACATGGCCAAAAGATGTGGGCATCCTT
 GCCCTGGAGGTCTATTTCCAGCCCAATATGTGGACCAAACACTGACCTGGAAAAGTTCAACAATGTGGAAG
 CAGGGAAGTATACAGTGGCTTGGGCCAGACCCGTATGGGCTTCTGTTTCAGTCCAGGAGGACATCAACTC
 CCTGTGCTGACAGTGGTACAGAGGCTGATGGAACGCACAAAGCTGCCGTGGGATGCTGTGGGCCGTCTG
 GAAGTGGGCACCGAGACCATCATTGACAAGTCCAAGGCTGTCAAAACAGTGTCTCATGGAACGTGTTCCAGG
 ATTCAGGCAACACTGACATCGAGGGCATAGATACCACCAACGCCTGTTATGGCGGCACAGCTCCCTCTT
 CAATGCTGCCAACTGGATGGAGTCCAGCTACTGGGATGGTTCGCTATGCCCTGGTGGTCTGTGGTGACATT
 GCAGTCTACCCGAGTGGTAACGCCCGCCACAGGTGGTGTGGGCTGTGGCAATGCTGATCGGGCCCA
 AGGCCCTCTGGTCTCGAGCAAGGGCTGAGGGGAACTCACATGGAGAACCGGTACGACTTCTACAAACC
 AAATTGGCCTCAGAGTATCCACTGGTGGATGGGAAGCTGTCTATCCAGTGTACTGCGGGCCTGGAT
 CGATGCTATGCAGCTACCGAAGAAGATCCAGAATCAGTGAAGCAAGCTGGAAACAACAGCCTTTCA
 CCCTCGATGATGTCAGTATATGATCTTCCACACACCCTTTTGAAGATGGTCCAGAAATCCCTGGCTCG
 GTTGATGTTCAATGACTTCTGTATCCAGCAGTGACAAACAGAACTTATACAAGGGCTAGAGGCC
 TTCAGGGGTCTAAAGCTGGAAGAAACCTACACCAACAAGGATGTAGACAAGGCTCTTTTGAAGGCCCTCC
 TGGACATGTTCAACCAGAAGACCAAGGCCTCCCTTTACCTCTCCACAAATATGGGAACATGTACACCTC
 TTCCCTCTATGGCTGCCTGGCCTCACTTCTCTCACCCTCTGCCCAAGAAATGGCTGGCTCCAGGATT
 GGAGCCTTCTCTACGGCTCAGGCTTAGCAGCAAGTTTCTTTTCATTCCGAGTGTCCAAGGATGCTTCCC
 CAGGTTCCCCCTGGAGAACTGGTGTCTAGTGTGTCAGATCTGCCCAAACGTCTAGACTCCCGGAGACG
 CATGTCCCCTGAGGAATTCACAGAAATAATGAACCAGAGAGCAATTTTACCACAAGGTGAACTTCTCT
 CCACCTGGAGACACAAGCAATCTTCCAGGTACTTGGTACCTTGAACGAGTGGATGAGATGCATCGCA
 GGAAGTATGCCCGGTGTCCCGTCTAATGGAGATCCATGCAACAATTCGCCGGGAAAGAAGGTGAGCCGA
 GCTGTACCCAAAACAGCATCTGCTTAAATCCCAACCCACAGCAGTAAATAGGGACTAGACACAGCAGCCT
 CATAGGATCTGCTCTGTGGTGAACGGCCTCCCTCTGTGAATCCTGGGTGTCTCTCCCTGACACAATCAGC
 GCCACAGGCTCATGCTGTGTGGACCAGAGCTCCCTGTGAAGAGGGAGATGAAAGAAAGGGGAGCCGCT
 GACCTGCAGGGATGCAGATCTTTCCCAACGCCGAGCAGCAGCCATTTGTTACAGCTTATTCTCAGAC
 TCTGGGCTATTATAGTTTATGCTTGTCTTAAAGTTTCTAAATTTTGTATCTTGTCTAAAATAATATG
 TGGCAATTAAGAGAGAGAAGAAATTAAGTAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_008256

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:	BC014714 , AAH14714
RefSeq Size:	2011 bp
RefSeq ORF:	1527 bp
Locus ID:	15360
UniProt ID:	P54869
Cytogenetics:	3 42.74 cM
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]