

Product datasheet for **MC201190**

Acat2 (NM_009338) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acat2 (NM_009338) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acat2
Synonyms:	AW742799; Tcp-1x; Tcp1-rs1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC012496 sequence for NM_009338
 GGACAAGGCTGAGAGCTAGCAGAGACCAGAGCGACAAGATGAATGCGGGCTCAGACCCCGTGGTCATCGT
 CTCAGCGGCGCGCACCGCTATAGGCTCCTTCAATGGTGCCTGTCCACCGTGCCTGTCCACGAAATGGGG
 ACAACTGTCATCAAAGAAGTCTGCAGAGGGCCAAGGTGGCTCCAGAAGAGGTGTCCGAGGTCATATTTG
 GACATGTCTTGACGGCAGGTTGTGGCAGAATCCTACTCGACAAGCCAGTGTGGGTGCAGGGATCCCCTA
 TTCGGTTCCAGCATGGAGCTGCCAGATGATCTGTGGCTCGGGCCTAAAAGCCGTGTCTTGCAGCCCGAG
 TCCCTAGCCATGGGCGACTCCACCATTGTGGTAGCTGGAGGCATGGAGAATATGAGCAAGGCTCCCTCAGT
 TGACTCACCTGAGAACAGGAGTCAGGATGGGTGAGGTGCCACTGGCTGACAGCATACTCTGTGATGGTCT
 GACAGATGCCTTTCACAACTACCCATGGGCATCACAGCTGAAAACGTAGCCAAAAAATGGCAAGTGAGC
 AGAGAGGCCAGGACAAGGTTGCAGTCTGTGCACAGAACAGGCAGAGCATGCTCAGAAAGCTGGCCACT
 TTGACAAGGAGATTGTGCCAGTGTGGTGTCTTCCAGAAAAGGTCTTACTGAAGTGAAAAATCGATGAATT
 TCCCCGTGATGGGAGTAACCTTGAAGCCATGGGCAAGCTGAAACCTTACTTTCTTACTGATGGGACAGGA
 ACTGTCACCCAGCGAACGCATCAGGAATGAACGATGGCGCTGCTGTGGTCTTATGAAGAAGACAG
 AAGCTGAGAGGCGGATGCTGAAACCTTTAGCAAGAATAGTCTCCTGGTCCCAAGCCGGTGTGGAGCCTTC
 TGTATGGGAGTAGGACCAATCCAGCCATAAAGCAAGCTGTTGCAAAGGCAGGCTGGTCCCTGGAGGAT
 GTTGACCTGTTTAAATCAATGAAGCCTTTCAGCGGTGTCTGCGCAATAGCTAAAGAAGTGGATTAA
 ACCCCGAGAAGGTCAACATCGATGGAGGAGCCATTGCCTTGGGCCATCCTCTGGGAGCATCTGGCTGCAG
 GATTCTAGTGACCTTGTGCACACCCTGGAGAGAGTGGGCGGGACCCGTGGTGTGCAGCCCTGTGCATT
 GGGGGTGGGATGGGAGTCGCAATGTGTGTTAGAGAGGGTGAAGTGCATGACAGCCACCCTTGGACAG
 TTCTTGTAAATCAGTGAACACTAAGCAGAAAGGAAACCAGAGGACCAAACTGAGGACAGGAACCCAG
 GTGGACAGCTTGTGACTTTAATGTGAGACACCAAGGCTACGGCATTGCACCTGACACTGTTATAAAT
 AAGAGGGAAATCCAATCAGTCATCAAGGCTCCAGAGTGAACAGCATTTCATAACTTCCATGTTTATCG
 TCTTTACTTTCTGGGTGTAATTTCTCTGATCATTGTTTTTTGTTTTTTTTGTTTTTTCTTTGTTTTTGAG
 TTAGGGTCTCACCATATAGCCTCAAATCGTTTTGTAGATCAGGTTGACTTTGAAGTCCCGGAGATCCAC
 CTTTCTGTGCCTCCTGAATACTTGAATTAAGGCATGCACCATTATGCAGGGCCCCAAAAATGATCCATT
 CAAAACATGGGGATTCGGCTTCTGTTACGAACTTCAGGCTCTTCACTTTAACTATGGTTGGTTCAAACGC
 CCCTGCGTGCCTGTCTCTCGTTTTCCATTGATCAAATCAAGACCAATCCTGTAGTGAAAGTTCGGATTCA
 GTGACCTCTCCAGGCTGAGGTGGGGTAGGATTCCAGCTGTTCTAGTCAGAAGACTGGCAGTGCCAACA
 AGTGTGCCTCTGGATTGTTGAAAGGTGGGCAAGCAGCATCCACGTAATTTCTCTGCTTGACGGG
 ATGGGATGTTACCTGCTCAGATATCTACCTTGACTTCCCCAAAATGATGACTGGAAGTGGAACTGACAG
 TCAATAAACTCTTCTCCCTTAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_009338
- Insert Size:** 1194 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: [BC012496](#), [AAH12496](#)

RefSeq Size: 2095 bp

RefSeq ORF: 1194 bp

Locus ID: 110460

UniProt ID: [Q8CAY6](#)

Cytogenetics: 17 8.73 cM

Gene Summary: Involved in the biosynthetic pathway of cholesterol.[UniProtKB/Swiss-Prot Function]