

## Product datasheet for **MC201590**

### **Acox2 (NM\_053115) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Acox2 (NM_053115) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acox2
Synonyms:	THCCox
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC021339 sequence for NM\_053115  
 CCACGCGTCCGCCAGGACAGAGGTGAGTCAAGAGTTTGTAGTCCCAGGCCAGCCAGAGAAGTACAGAACAT  
 ACCAAAGGTTCTTGGTACCTCCCGGTGCTCAGAGCAGACCCTAAAGGAAGCCAAGTCCTTCTGAGACAG  
 GCAGATCCAGGATGGGGAACCCAGGGGATCGAGTGTACTGGGGGAGACCTGGAGCAGGGAAGTGCACCC  
 TGACATAGACAGTGAAAGGCACTCCCGTCTTTCAGTGTGGAGCGGCTCACCAACATCCTTGATGGAGGC  
 ATCCCAAACACTGAGCTGCGGAGAAGAGTTGAAAGCCTCATCAAACGTGACCCAGTGTAAATTTGAAGC  
 ATCTTTACTTTCATGACCCGAGATGAGCTATATGAGGATGCAGTTCAAAGAGATTCCATCTTGAGAAGCT  
 AGCCTGGAGCCTGGGCTGGTCAGAAGACGGTCTGAACGCATTTATGCTGACAGAGTCCTTGCTGGATAT  
 AACAACTTAAACTTACATGGTATTGCCATGAATGCTATCAGAAGCCTGGGCTCAGATGAGCAGATTGCTA  
 AATGGGGCCAACCTCGGCAAAAACCTTCAAATCATCACAACATATGCCAGACAGAGCTGGGACATGGGAC  
 ATACCTGCAGGGCCTGGAGACCGAAGCAACCTATGATGCAACCCAGGAGTTTGTGATACACAGCCCT  
 ACAATGACTTCCATCAAGTGGTGGCCTGGGGACTTGGGACGGACAGTCAACCATGCTGTGGTCTAGCCC  
 ATTTGATCTGCTTAGGAGCCCGCATGGCATGCATGCCTTCATTGTGCCATCCGGAGCCTAGAGGACCA  
 CACCCACTGCCAGGAATAACAGTTGGGGACATAGGCCCAAGATGGGCTTCGAAAACATAGACAATGGC  
 TTCTGCGACTGAACCAGTGTAGGGTTCCAGAGAGAACATGCTCAGTCGCTTTCGAGAGGTCTTGCCAG  
 ATGGCACCTACCAGAGGCTTGGGACACCACAGAGCAATTATCTTGGCATGTTGGTACACGGGTGCAGCT  
 GCTGTATAAAGGATTCTACCCACCTCCAGAAGGCTTGCAACATTGCTGTGCGCTACGCAGTAATCCGC  
 CACCAGTCTCGTCTTCGGCTAGTGACCCAGAGGCAAAAATCCTGGAATACCAGACACAGCAGAGAAAAC  
 TCCTGCCTCAGCTTGTGTGAGCTATGCCTTGCATTTTCATGACCACCAGCCTCTTACAATCTTCCACAG  
 CTCCTACAGTGATATTCTGAAGAGAGACTTCAGCCTCCTGCCTGAGCTCCATGCACTGAGCACTGGCATG  
 AAGGCCATGTCTTCAGACTTCTGTGCCAGGGAACAGAGATCTGCCGACGGGCTGCGGGGGTTCATGGCT  
 ACTCAAAGCTGAGCGGCCTACCGACTGGTCACTCAAGCGATAGCCTCTTGCACGTATGAGGGTGAGAA  
 TACGGTCTCTACCTGCAAGTGGCCAGGTTTCTGATGAAGAGCTACCTGCAGGCTCAAGTGTCCCAAGGA  
 TCCATACCACAGAAGCCTCTCCCTCAGTCCGTATGTATCTCGCCACACCAAGACCAGCCAGGTGCCCAG  
 CCCAGACAGCAGCTGACTTCCGCTGCCAGAACTATACCACAGCCTGGGCATATGTGTCTGCCAGGCT  
 CATAAGAGATGCAACACAGCATAACAGACCCTCATGAGATCCGGGGTTGACCAGTACGATGCTTGGAAC  
 CAGACTTCTGTACACCTTCCAGGCTGCTAAGGCTCACTGCTACTTCTCACTGTGAGGAATTTCAAGG  
 AAGCTGTGGAGAACTAGACAACGAACCAGAGATTGAGCGTGTGCTTTCAGAACCTCTGTGACCTCTATGC  
 CTTAAACGGTATTCTGACTAACTCAGGGGACTTCTGCATGATGGCTTCTGTCTGGGGCCCAAGTGGAC  
 ATGGCAAGAACAGCCTTCTAGACCTGCTTCCCTTGTATCCGGAAGGACGCCATCTTGTAAACAGATGCTT  
 TTGACTTCTCGGACCATGTTTAAACTTGCACCTGGCTGTTATGACGGACAGCTTACCAACGCCTGTT  
 TGAGTGGGCTCAGAAGTCCCAGCAATACTCAGGAGAACCCTGCCTATAAGAAGTATATTAGACCACTG  
 ATGCAAAGCTGGAAACCAAGCTGTGAAAAGCCAAAGGATTCAGGACCAAGCAGCACCATGGCCTTCTTA  
 TGGCACATATGCATATAAAGAATTTAAAGCACGGGGTGGCGTGGCGCTTGTTCAGATCAGCGAGTAACT  
 GGTACATGAAAGGATGTTTCATCATATTATTCTGCTACTGAGTACATCTGAAACTTTCCTTGTCTGTTT  
 TAGTACGTATTTGGCTAAATGCTAGAATTTTGCTTTAAATACAGCAAAGCTAATAAACTTGTTAGTAAAC TAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_053115

**Insert Size:** 2046 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC021339</a></u> , <u><a href="#">AAH21339</a></u>
<b>RefSeq Size:</b>	2466 bp
<b>RefSeq ORF:</b>	2046 bp
<b>Locus ID:</b>	93732
<b>UniProt ID:</b>	<u><a href="#">Q9QXD1</a></u>
<b>Cytogenetics:</b>	14 A1
<b>Gene Summary:</b>	<p>Oxidizes the CoA esters of the bile acid intermediates di- and tri-hydroxycoprostanic acids (By similarity). Capable of oxidizing short as well as long chain 2-methyl branched fatty acids (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>