

## Product datasheet for **RN201740**

### **Acox2 (NM\_145770) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Acox2 (NM_145770) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acox2
Synonyms:	THCCox
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN201740 representing NM\_145770  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGAGCCCAATGCACCGAGTGTCCCTGGGGGACACCTGGAGCTGGCAAGTGCACCCGGACATAGACA  
 GTGAAAGGCACTACCGTCTTCAGTGTGGAGCGACTACCAACATCCTTGATGGAGGCCTCCCAAACAC  
 CGTGCTGCGAAGAAAAGTCGAAAGCATCATACAAAGTGACCCAGTGTAAATTTGAAGAAGCTTTACTTC  
 ATGACCCGAGAGGAGCTATATGAGGATGCGATTCAAAGAGATTCCATCTCGAGAAGCTAGCCTGGAGCC  
 TGGGCTGGTCAGAAGATGGTCTGAACGCATTTATGCTAACAGAGTCTTGATGGAAACGTCAACTTAAG  
 CTTACATGGTGTGCCATGAATGCTATCCGAAGCCTGGGCTCAGATGAACAGATTGCTAAATGGGGCCAA  
 CTCTGCAAAAACCTCAAATCATCACACATACGCCAGACAGAGCTGGGACACGGGACATACCTACAGG  
 GCCTGGAGACTGAAGCCACCTATGATGAAGCCAGGCAGGAGTTTGTGATACACAGCCCTACGATGACTTC  
 CACCAAGTGGTGGCCTGGGGACTTGGGATGGTCCGCTACCCATGCTGTGGTCTAGCCAGTTGACCTGC  
 TTAGGAGTCCGGCACGGCATGCACGCCTCATTGTGCCATTTCGAGCCTAGAGGATCACACCCCACTGC  
 CAGGAATCACAGTTGGGGACATAGGCCCAAGATGGGTTTGAACACATAGACAATGGCTTCTGCAACT  
 GAACCAGTGGCGGTTCCAGAGAAAACATGCTCAGTCGCTTTCAGAGGTCTTGCCAGATGGTACCTAC  
 CAGAGGCTTGGGACGCCACAGAGCAATTATCTTGGCATGTTGGTGACCCGGTGCAGCTGCTGTGTAAG  
 GAATCCTACCTCCCTCCAGAAGGCTTGATCATTGCCACGCGTACTCAGTAATCCGCCATCAGTCTCG  
 ACTTCGGCCAGTGACCCAGAGGCAAAAATCCTGGAATACCAGACGCAGCAGCAGAAAACCTTCTCCTCAG  
 CTTGCTGTGAGCTATGCCTTCCACTTCAGGCCACCAGCCTCTCAGAATCTTCCACAGCTCCTACAGTG  
 CTATTCTGAAGAGAGACTTCAGCCTCCTGCCTGAGCTCCATGCATTGAGCACTGGTATGAAGGCCACGTT  
 TGCAGACTTCTGTGCCAGGGGGCCGAGATCTGTGCGAGAGCTTGTGGGGCCATGGCTACTCAAAGCTG  
 AGCGGCCTGCCGACACTGGTTGCTCGAGCAACAGCCTCTTGACACATATGAGGGTGAGAATACGGTGTCT  
 ACCTGCAAGTGGCCAGGTTTCTGATGAAGAGCTATCTGCAGGCTCAAGCGTCCCCAGGCGCCACACCACA  
 GAAGCCTCTCCCTCAGTCCGTATGTATATTGCCACACAAGGCCAGCCAGGTGCTCAGCCAGACTGCA  
 GCTGACTTCCGCTGCCAGATGTCTATACCACAGCCTGGGCATATGTGTCTACCAGGCTCATAAGAGATG  
 CAGCACACCGTACACAGACCCTCATGAAGTCCGGGTTGACCAGCATGATGCCTGGAATCAGACTACTGT  
 CATCCACCTTCAGGCTGTAAGGCTTACTGCTACTTCATCACTGTGAAGAATTTCAAGGAAGCTGTGGAG  
 AACTAGACAAGGAACCAGAGATTCAGCGTGTGCTCCAACGCCTCTGTGACCTCTATGCCTACACGGTG  
 TTCTGACTAACTCAGGGGACTTTCTGCATGATGGCTTCTGTCTGGGGCCAGGTGGACATGGCCAGAGA  
 AGCCTTCTAGACCTGCTTCCCTTGATCCGGAAGGATGCCATCTTGTTAACCGATGCTTTTGACTTCTCG  
 GACCATTGTTTAAACTCGGCACTTGGCTGTTATGATGGACACGTCTACGAACGCCTGTTTGAGTGGGCTC  
 AGAAGTCCCAGCCAATACTCAGGAGAACCCTGCCTATAAGAAGTATATCCGACCACTGATGCTCGGCTG  
 GAGACACAAGATG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_145770

**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).

<b>Components:</b>	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="#">NM_145770.2</a></u> , <u><a href="#">NP_665713.2</a></u>
<b>RefSeq Size:</b>	2504 bp
<b>RefSeq ORF:</b>	2046 bp
<b>Locus ID:</b>	252898
<b>Cytogenetics:</b>	15p14
<b>Gene Summary:</b>	plays a role in fatty acid metabolism [RGD, Feb 2006]