

## Product datasheet for **RN209431**

### **Acaa2 (NM\_130433) Rat Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Acaa2 (NM_130433) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acaa2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209431 representing NM_130433 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCTGCTACGAGGTGTGTTTATCGTTGCTGCGAAGCGAACCCCTTTGGAGCTTATGGGGTCTTC  
TCAAGGACTTCACTGCCACTGACTTAACCTGAATTTGCTGCCAGGGCTGCCCTGTCTGCTGGCAAAGTTCC  
ACCGAAACCATCGATAGTGTGCATCGTGGCAATGTCATGCAGAGCTCTCAGATGCGGCGTACCTGGCA  
AGGCATGTGGGTTTACGTGTGGGAGTCCCACGAGACTGGGGCCCTCACCTCAACAGACTCTGTGGCT  
CTGGTTTCCAGTCCATCGTGAGCGGATGTCAGGAAATCTGCTCGAAAGACGCTGAGGTCGTCTTATGTGG  
AGGAACCGAGAGCATGAGCCAGTCCCCCTACTCTGTCAGAAATGTGCGCTTCGGAACCAATTTGGGTTA  
GATCTCAAGCTGGAAGATACTTTGTGGCAGGATTAACGGATCAACACGTGAAGCTCCCCATGGGGATGA  
CTGCAGAGAACCTGGCTGCAAAATACAACATAAGCAGAGAAGACTGCGACAGATACGCCCTGCAGTCCA  
GCAGAGGTGGAAGCCGCTAACGAGGCTGGCTACTTTAATGAGGAGATGGCCCCATTGAGGTGAAGACC  
AAGAAGGGCAAACAGACCATGCAAGTGGATGAGCAGCCCCGCCCAAACGACCTGGAGCAGCTGCAGA  
ACCTCCCGCCAGTGTTCAGAAAGAGGGGACGGTCACAGCAGGGAACGCCTCGGGCATGTCTGACGGTGC  
TGGGGTGCATCATAGCCAGCGAAGATGCTGTCAAAAAACATAACTTCACACCACTGGCCAGAGTCGTG  
GGCTACTTTGTGTCTGGATGTGACCCTGCATCATGGGGATCGGTCCAGTCCCTGCCATCACTGGAGCAT  
TGAAGAAAGCTGGGCTGAGCCTTAAGGACATGGATTTGATAGACGTGAATGAAGCATTGTCTCCTCAGTT  
CTTGGCTGTTTCAAGAGCTTGGATCTCGACCCAGTAAACCAACGTGAGTGGAGGTGCCATAGCCCTG  
GGTCACCCGCTGGGAGGATCTGGATCCAGAATCACCGCACACCTGGTTCACGAGTTAAGGCGTCGAGGTG  
GAAAATACGCAGTGGGATCAGCTTGATTGGAGGTGGCCAAGGCATCTCCCTGATCATCCAGAACACAGC  
CTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_130433
<b>Insert Size:</b>	1194 bp
<b>OTI Disclaimer:</b>	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>	<a href="#">NM_130433.1</a> , <a href="#">NP_569117.1</a>
<b>RefSeq Size:</b>	1619 bp
<b>RefSeq ORF:</b>	1194 bp
<b>Locus ID:</b>	170465
<b>UniProt ID:</b>	<a href="#">P13437</a>
<b>Cytogenetics:</b>	18q12.2
<b>Gene Summary:</b>	mitochondrial matrix protein with acetyl-Coenzyme A acyltransferase 2 activity [RGD, Feb 2006]