

## Product datasheet for RN201065

### Acat1 (NM\_017075) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Acat1 (NM_017075) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Acat1
Synonyms:	RATACAL
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201065 representing NM_017075 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTGCCCTGGCGTCTACACGGCGTCGCCGAGGCTCTGCTCCGCGGGTCTGCAGGAAGTAA  
GATGCCTGGGACGAAGTTATGCATCAAACCCACTTTGAATGATGTGGTTATAGTGAGTGCTACACGAAC  
TCCATTGGATCCTTCTGGGCAGCCTTGCTCTCAGCCAGCCACCAAGCTTGGTACTATTGCAATTCAG  
GGAGCCATTGAAAAGGCAGGGATTCCAAAAGAAGAAGTGAAGGAGGTCTACATGGGCAACGTCATCCAAG  
GGGGAGAAGGACAGGCCCGACCAGGCAAGCTACACTGGGTGCAGGTCTACCCATTGCCACTCCGTGCAC  
CACAGTAAACAAGGTGTGTGCCTCAGGAATGAAAGCCATCATGATGGCCTCTCAAAGTCTTATGTGTGGA  
CACCAGGATGTGATGGTGGCAGGCGGAATGGAGAGCATGTCAAATGTCCCGTACGTAATGAGCAGAGGAG  
CAACACCATACGGTGGGGTAAAACCTGAAGACCTGATTGTGAAAGACGGGCTAACCGATGTCTACAATAA  
AATTCATATGGGCAATTGTGCTGAGAACCCGCAAGAAGCTGAGTATCTCGCGGAGGAGCAGGATAAG  
TACGCCATCGGCTCTTACACCCGAAGTAAAGAGGCGTGGGATGCAGGGAAGTTTGCAAATGAGATTACGC  
CCATCACCATCTCAGTGAAGGTAAACCCAGACGTGGTGGTGAAGGAAGATGAAGAGTACAAGCGAGTTGA  
CTTCAGTAAAGTGCCAAAGCTCAAGACAGTGTTCCAGAAAAGAAAACGGCACAGTAAACAGCTGCTAACGCC  
AGCACACTGAACGATGGAGCAGCTGCTGTGTTCTCATGACTGCAGAGGAGCCAGAGGCTCAAGGTTA  
AGCCACTGGCACGAATCGCAGCATTTGCTGATGCTGCTGTAGACCCATTGATTTCCCACTCGCACCTGC  
ATATGCTGTACCTAAGTTCTTAAATATGCAGGACTGAAAAAGAAGACATTGCCATGTGGGAAAGTAAAT  
GAAGCATTCAAGTGTGTTGACTAGCCAACATTAATGCTGGAGATTGACCCTCAAAAAGTAAATGTCC  
ATGGAGGAGCTTTCTCTGGGCCATCCAATCGGGATGTCTGGAGCTCGGATTGTTGTTCACTTGGCTCA  
TGCCTTGAAGCAAGGAGAATTCCGTCTGGCTAGTATTTGCAATGGAGGAGAGGGCTTCCGCCGTGCTG  
ATTGAGAAGCT**GTAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_017075
<b>Insert Size:</b>	1275 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>	<u><a href="#">NM_017075.2</a></u> , <u><a href="#">NP_058771.2</a></u>
<b>RefSeq Size:</b>	2186 bp
<b>RefSeq ORF:</b>	1275 bp
<b>Locus ID:</b>	25014
<b>UniProt ID:</b>	<u><a href="#">P17764</a></u>
<b>Cytogenetics:</b>	8q24
<b>Gene Summary:</b>	catalyzes the conversion of 2 acetyl-CoA molecules to acetoacetyl-CoA plus CoA [RGD, Feb 2006]