

## Product datasheet for MC212876

### Acnat1 (NM\_001164565) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Acnat1 (NM_001164565) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acnat1
Synonyms:	A1132189
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212876 representing NM_001164565 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGATCAAGTTGATAGCCACACCTTCAAATGCCCTTGTGGATGAGCCTGTGTCCATTGAGCAACAG  
GCCTGCCTCCATCGCAGATAGTGACCATCAAGGCAACAGTGAAAGATGAAAATGACAATGTGTTCCAATC  
CCAAGCCTTCTACAAGACTAACGAGGCTGGTGGAGTGGACCTGGAGAAGACACCGCCTTGGGGGTGAC  
TATGTAGGGTCCACCAATGGCCTCTTTTTCTCTGAAACCAAGAAGGCTTCCATAGGCTGATGA  
AGAAAGATGTGATGAACAGCCCCCTTTTGCATCTGTTGGACCTGTACGACTCTGTTAACTGGCTAGAAAC  
AGTCAGGATTCATCCAAGGCCAGCCAGAGAGTGCAGCGCTGTTTGTGGCCCTGGGGTTAAGCGGGAA  
CAGATTCAGAAGGTCGGGTTCCGGGAGCCCTTTTTCTCCCTCCAGGAAAGGTCCTTTCCAGGAATTA  
TTGATTTGTTGGTGTCATTGGGGGTCTAGTTGAATTCGTGCCAGTCTTTTGGCTTCCCATGGCTTTGC  
AGTGCTGGCGTTGGCGTATTTGCCTATAAAGACCTGCCTGAGAACTGCAAGAGGTGGACTTGGAGTAT  
TTTGAAGAAGCTGCCAACTTCTACTATCTCACCCCAAGATCCAACAGCCAGGAATTGGTGTGATCTCCA  
CGAGCAAAGGAGCAGAGATTGGGCTAGCTATGGCCTGTACCTGAAGCAGGTGATTGCCACGGTCTGCAT  
AAATGGGGCCACCACCACAGCCGCTCCCACTAAGATAACCAGGATCTGGTTGTGACACCCATCCAACAG  
GCTCTGGAACGGATGGAGTCCATGTTTCAGGGGCTGTATGCTCCGTCACACTACACAATATCTCCAGA  
ATAAGAATATACTTCCCGTGAAAAGGCCAGGGGAAGATCCTCTTCATTGTGGGAGAGAATGATGAATT  
GTTGGATAGCAAGTTACATGCACAGAGGGCCATGGACCGCTCCGGAGGCATGGAAGAAGCAGTGAAGG  
ATGCTGGCATAACCTGGGGCAGGCCACCTCATAGAGCCACCTTATTCTCCCTTTGCTTTGCATCTGGC  
AACCTGTCTGGGTCGACCCATGTGTTTGGAGGAGATCTCATGGCTCACGCAGCAGCCAGGAACACTC  
CTGGAGAGAGATCCAAAAGTTCTTCAGGAAACACCTCCTTCAATCCGGAAGCAAACCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001164565
<b>Insert Size:</b>	1251 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_001164565.1</a></u> , <u><a href="#">NP_001158037.1</a></u>
<b>RefSeq Size:</b>	5048 bp
<b>RefSeq ORF:</b>	1251 bp
<b>Locus ID:</b>	230161
<b>UniProt ID:</b>	<u><a href="#">A2AKK5</a></u>
<b>Cytogenetics:</b>	4 B1
<b>Gene Summary:</b>	Acyltransferase which efficiently conjugates very long-chain and long-chain fatty acids to taurine. Shows no conjugation activity in the presence of glycine.[UniProtKB/Swiss-Prot Function]