

## Product datasheet for **RN211079**

### **Aoc1 (NM\_022935) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Aoc1 (NM_022935) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aoc1
Synonyms:	Abp; Abp1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211079 representing NM\_022935  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAGGCTTGCACAAATGTGTCTGGCCTTCGGCTGGGCAGCTGTCATATTGGTTCTACAGACGGTAGACA  
CGGCATCTGCTGTGAGGACTCCTTATGACAAAGCGAGGGTATTTGCAGACCTGAGCCCCAGGAGATAAA  
GGCTGTTACAGCTTCTGATGAACAGGAGGAGCTGGGGCTGCAGCCGTCGAAGGAACCGACTTTGGCC  
AAAACTCTGTGTTTCTCATTGAGATGCTACTGCCAAGAAGAAGCATGTGTTGAAATTTCTGGATGAAG  
GAAGAAAAGGTCCTAACCGGAAGCTAGGGCTGTCATCTTCTCGGTGCCAGGACTACCCCAATGTCAC  
TGAGTTTGTGTGGGGCCCTGCCACGGCCCTACTATATTCGAGCACTATCCCCAGGCCAGGGCACCAT  
CTGTCTGGTTCATCCAGGCCATCTCCACAGCAGAGTACGACCTCCTCTACCACAGCTGAAGAGAGCCA  
CCATGCCTCTGCACCAGTTTTTCTTGACACCACTGGCTTCTCATTCTAGGCTGTGACGACCGATGCTT  
GACTTTTACTGAGTAGCTCCACGTGGTGTGGCGTCTGGTCAGCGTAGAAGCTGGTTTATTGTGCAGCGC  
TATGTGGAAGGCTATTTCTTACCTACAGGGCTGGAGATCCTATTGGATCATGGGAGCACAGATGTCC  
AGGACTGGAGAGTGGAGCAGCTCTGGTATAACGGCAAGTTCTACAACAACCCAGAGGAAGTGGCTCGGAA  
ATACGCAGTTGGAGAAGTGGACACGGTGGTCTCGAGGACCCACTGCCCAATGGCACAGAGAAGCCCCCA  
CTCTTTTCTTCTACAACCCCGGGGGGAATTCATACACCAGTCAATGTTGCTGGCCCCACGTTGTCC  
AGCCCAGCGCCCCCGATATAAACTAGAGGGCAACACTGTGCTCTATGGAGGTTGGAGCTTCTTATCG  
GCTAAGATCCTCTTCTGGGCTGCAGATCTCAATGTGCTCTTGGAGGTGAGCGTGTTCCTACGAGGTC  
AGTGTGCAGGAGGCTGTGGCACTGTATGGAGGACACACCTGCAGGCATGCAGACTAAGTACATTGATG  
TTGGCTGGGGCTGGGCAGTGTCACTCAGAGTTGGCCCTGGCATTGACTGTCCAGAGACTGCTACTTT  
CCTGGATGCCTTCCACTATTACGACAGCGATGGCCCTGTCCATTATCCACATGCTCTGTGCTCTTTGAG  
ATGCCACAGGGGTGCCCTGAGGCGCCACTTTAACTCAAATTTAAAGGTGGCTTCAACTTCTATGCGG  
GTTTGAAGGGATATGTGCTGGTGTACGGACGACATCAACTGTCTATAATTATGATTACATCTGGGATTT  
CATCTTCTACTCTAACGGGGTGTGGAGGCCAAGATGCAGCCACTGGCTATGTCCATGCGACCTTCTAC  
ACTCCTGAGGGACTGCGCCATGGCACTCGCTTACAACCCACCTGCTTGGTAACATCCACACCCACCTGG  
TGCACTACCGTGTGACATGGACGTGGCAGGCACCAAGAACAGCTTCCAGACACTGACGATGAAGCTGGA  
AAACCTCACCAATCCCTGGAGCCCAAGTCACTCCCTGGTCCAGCCACACTCGAGCAGACCCAGTACTCC  
CAGGAGCACACAGGCTGCATTCGGCTTCGGACAGACTCTGCCAAGTACCTGCTTTAGCAGCCCCAAA  
AGAAGTGTGGGGTACAGGCGCAGTACCGCCTGCAGATCCATTCTATGGCTGAGCAGGTGCTGCCACC  
AGGTTGGCAGGAGGAGCGGGCTGTCACTTGGGCCAGGTATCCTTTGGCTGTAACAAGATATCGGGAATCT  
GAGCGCTACAGCAGCAGCCTCTACAACCAGAATGACCCCTGGGATCCCCCGTGGTCTTTGAGGATTTCC  
TTCGGAACAACGAGAACATTGAAGATGAGGATTTGGTGGCCTGGGTGACAGTGGGCTTCTGACATCCC  
TCACTCAGAAGATGTCCCAACACAGCCACACCTGGAACTCTGTGGGCTTCTGCTCCGGCCCTTCAAC  
TTCTTCCAGAGGACCCATCCCTGGCTTCTAGAGACACTGTGATAGTGTGGCCCCAGGACAAGGGCCTCA  
ACCGTGTCCAGCGCTGGATCCCTGAGGACAGGCGCTGCTGGTGTCTCCTCTTTCAGCTATAATGGGAC  
CTACAAGCCTGTG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
ACCN: NM\_022935  
Insert Size: 2256 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_022935.2</a> , <a href="#">NP_075224.2</a>
<b>RefSeq Size:</b>	2795 bp
<b>RefSeq ORF:</b>	2256 bp
<b>Locus ID:</b>	65029
<b>Cytogenetics:</b>	4q24
<b>Gene Summary:</b>	binds amiloride and some of its derivatives; may form an epithelial-specific Na <sup>+</sup> channel [RGD, Feb 2006]