

## Product datasheet for **RN207330**

### **Aoc3 (NM\_031582) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Aoc3 (NM_031582) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aoc3
Synonyms:	SSAO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN207330 representing NM\_031582  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGACCCAGAAGACCACCCTAGTCTCCTTGCCTGGCTGTCATCACCATCTTCGTTTGGTTTGGCTCT  
 TGCTAGCTGGCAGGAGCGGAGATGGGGCAGACTGAGCCAACCTTTCATTGCCCTCCGTCTTCCCTAG  
 CGTCCAGCCCCAGACACACCCTGGCCAGAGCCAGCCGTTTGCAGACCTGAGCCCTGAGGAGCTGACAGCT  
 GTGATGAGCTTTCTGATCAAGCACCTGGGGCCAGGGCTGGTGGATGCAGCCCAGGCTCGACCCTCGGACA  
 ACTGTGTCTTCTCAGTAGAGTTGCAGCTGCCTGCCAAGGCTGCAGCCCTGGCCCACCTGGACAGAGGGGG  
 GCCCCACCCGTGCGGGAGGCACTGGCCATCATCTTCTTGGTGGACAACCAAGCTAATGTGAGCGAG  
 TTGGTGGTGGGGCCCTGCCTACCCCTCATACATGCGGGATGTGACTGTGGAGCGTCATGGCGCCCCC  
 TGCCCTATTACCGCGTCTGTGCTGACCAGAGAGTATCAGGATATCCAGGAGATGATCTTCCACAGAGA  
 GCTGCCCAAGCGTCTGGTCTCCTCCATCACTGTTGCTTCTACAAACGCCAAGGACACAACCTGCTAAAA  
 ATGACTACAGCCCCCGTGGTTTGAATCAGGGGACCGGCCACCTGGTTTGGCATATATTAACAATCTCT  
 CAGGGGCTGGGTTTTACCTCACCCATTGGCTTAGAGCTTCTGGTAGATCACAAGGCCCTGGATCCTGC  
 CCTGTGGACCATCCAGAAGGTATTCTACCAAGGCCGTTACTATGAGAGTCTGACTCAGCTGGAGGACATG  
 TTTGAGGCTGGCCTGGTGAATGTGGTTTTGGTCCCAGACAATGGCACAGGTGGTCTGGTCTCTGAAGT  
 CTTCAGTGCCACCAGGCCGAGCTCCTCCTGTCAGTCCATCCTGAGGGACCCCGTTTACAGCTCCAGGG  
 GAGTCAAGTGAGATCCTCCTGTGGGCTTTTTCTTTGGTCTTGGAGCTTTCAGTGGCCAAAGGATCTTT  
 GATATCCGCTTTCAAGGGGAGAGGGTGGCTATGAAATCAGTGTCCAGGAGGCCATAGCCCTCTATGGTG  
 GTAATCCCGCATCAATGTCGACCTGCTATATGGACGGAAGCTTTGGCATTGGCAAATACTCTACCCC  
 GCTGACCCGAGGGGTAGACTGTCCATACCTTGCCACCTATGTGGACTGGCACTTCTTCTGGAGTCTCAG  
 ACCCCCAAGACTACGTGATGCGTTTTGCGTGTGTAACAGAACCAGGGCCTCCCGCTCCGCGCACACC  
 ACTCAGATTTCTACTCCCACTATTTTGGGGCGTGTGGAGACAGTGTGTTGGTGTGATCCGTGGCTAC  
 CTTGCTCAATTATGACTATGTGTGGGACATGGTTTTCCAATGAGGAGGAGGAGGAGGAGGAGGAGGAGG  
 GCCACGGGCTATACACTCGGCTTTCTTCTCGGTGCTGGCGAGAAGTTTGGGAACCGAGTTGCCGAGC  
 ACACACTGGGCACTGTACACACCACAACGCTCACTTCAAAGTGGACTTGGATGTGGCAGGGTTGAAGAA  
 CTGGGCTGGGACAGGATTTGGCTTTTGTCCCTATGAATGTACCTTGGCAACCGGAGTTCCAGATGCAG  
 AGGCTGCAGGTGACTCGAAGCTGCTGGAGACAGAAGAGGAGGCTGCCTTCCCACTGGGAAATGCCACCC  
 CAGCTACCTGTACCTGGCCAGTAACCACAGCAACAAGTGGGGTACAGGCGAGGCTACCGCATCCAGAT  
 ACTCAGCTTGTGTTGGAAAGCCACTGCCCAAGAAAGCCCATAGAGAAAGCCTTCACTGGGGCAGGAT  
 CACTTGGCTGTGACCCAGAGGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG  
 GGACCCCACTGTGGACTTCACTGACTTTATCAGCAATGAGACCATGCTGGCGAGGACTTGGTAGCCTG  
 GGTGACAGCTGGCTTTTGCACATCCACATGCGGAAGACATTCCAACACGGTACCGTACGGGAACGGG  
 GTGGGTTTCTTCTCCGGCCGATAACTTCTTTGATGAGGACCCCTCCTTCTACTACCCGACTCCATCT  
 ATTTCCGGAAGGACCAGGATGTCACAGACTGTGAGGTCAACTCCCTGGCTTGCCTGTCTCAGACTGCCAA  
 CTGTGTCCCGACCTCCCTGCCTTCTCCATGGGGCTTTACTTATAAA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2487\\_g04.zip](https://cdn.origene.com/chromatograms/ja2487_g04.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_031582

**Insert Size:** 2292 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_031582.2](#), [NP\\_113770.2](#)

**RefSeq Size:** 3961 bp

**RefSeq ORF:** 2292 bp

**Locus ID:** 29473

**UniProt ID:** [O08590](#)

**Cytogenetics:** 10q31

**Gene Summary:** localized to the adipocyte plasma membrane and to glucose transporter Glut4 containing vesicles [RGD, Feb 2006]