

Product datasheet for **RR207330**

Aoc3 (NM_031582) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR207330 representing NM_031582
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCCAGAAGACCACCCTAGTCTCCTTGCCTGGCTGTCATCACCATCTTCGTTTGGTTTGGCTCT
 TGCTAGCTGGCAGGAGCGGAGATGGGGCAGACTGAGCCAACCTTTCATTGCCCTTCCGTTCTTCCCTAG
 CGTCCAGCCCCAGACACACCCTGGCCAGAGCCAGCCGTTTGCAGACCTGAGCCCTGAGGAGCTGACAGCT
 GTGATGAGCTTTCTGATCAAGCACCTGGGGCCAGGGCTGGTGGATGCAGCCCAGGCTCGACCCTCGGACA
 ACTGTGTCTTCTCAGTAGAGTTGCAGCTGCCTGCCAAGGCTGCAGCCCTGGCCCACCTGGACAGAGGGGG
 GCCCCACCCGTGCGGGAGGCACTGGCCATCATCTTCTTTGGTGGACAACCCAAGCTAATGTGAGCGAG
 TTGGTGGTGGGGCCCTGCCTACCCCTCATACATGCGGGATGTGACTGTGGAGCGTCATGGCGGCCCC
 TGCCCTATTACCGCGTCTGTGCTGACCAGAGAGTATCAGGATATCCAGGAGATGATCTTCCACAGAGA
 GCTGCCCAAGCGTCTGGTCTCCTCCATCACTGTTGCTTCTACAAACGCCAAGGACACAACCTGCTAAAA
 ATGACTACAGCCCCCGTGGTTTGAATCAGGGGACCGGCCACCTGGTTTGGCATATATTAACAATCTCT
 CAGGGGCTGGGTTTTACCTCACCCATTGGCTTAGAGCTTCTGGTAGATCACAAGGCCCTGGATCCTGC
 CCTGTGGACCATCCAGAAGGTATTCTACCAAGGCCGTTACTATGAGAGTCTGACTCAGCTGGAGGACATG
 TTTGAGGCTGGCTGGTGAATGTGGTTTTGGTCCCAGACAATGGCACAGGTGGGTCTGGTCTCTGAAGT
 CTTCAAGTCCACAGGCCGAGCTCCTCCTGTCAGTCCATCCTGAGGGACCCCGTTTACAGCTCCAGGG
 GAGTCAAGTGAGATCCTCCTGTGGGCTTTTTCTTTGGTCTTGGAGCTTTCAGTGGCCCAAGGATCTTT
 GATATCCGCTTCAAGGGGAGAGGGTGGCTATGAAATCAGTGTCCAGGAGGCCATAGCCCTCTATGGTG
 GTAATCCCCGGCATCAATGTCGACCTGCTATATGGACGGAAGCTTTGGCATTGGCAAATACTCTACCCC
 GCTGACCCGAGGGGTAGACTGTCCATACCTTGCCACCTATGTGGACTGGCACTTCCCTTCTGGAGTCTCAG
 ACCCCCAAGACTACGTGATGCGTTTTGCGTGTGTAACAGAACCAGGGCCTCCCGCTCCGCGCACACC
 ACTCAGATTTCTACTCCCACTATTTTGGGGCGTGTGGAGACAGTGTGTTGGTCCAGATCCGTGGCTAC
 CTTGCTCAATTATGACTATGTGTGGGACATGGTTTTCCACTCCAATGGGGCCATAGAAGTCAAATCCAC
 GCCACGGGCTATATCACCTCGGCTTTCTTCTCGGTGCTGGCGAGAAGTTTGGGAACCGAGTTGCCGAGC
 ACACACTGGGCACTGTACACACCACAACGCTCACTTCAAAGTGGACTTGGATGTGGCAGGGTTGAAGAA
 CTGGCCCTGGGCAGAGGATTTGGCTTTTGTCCCTATGAATGTACCTTGGCAACCGGAGTTCCAGATGCAG
 AGGCTGCAGGTGACTCGAAGCTGCTGGAGACAGAAGAGGAGGCTGCCTTCCACTGGGAAATGCCACCC
 CACGCTACCTGTACCTGGCCAGTAACCACAGCAACAAGTGGGGTACAGGCGAGGCTACCGCATCCAGAT
 ACTCAGCTTTGCTGGAAAGCCACTGCCCAAGAAAGCCCATAGAGAAAGCCTTACCTGGGGCAGGTAT
 CACTTGGCTGTGACCCAGAGGAAGGAGGAGGCCAGAGTTCTAGCATCTACAACCAGAATGACCCGT
 GGACCCCACTGTGGACTTCACTGACTTTATCAGCAATGAGACATTGCTGGCGAGGACTTGGTAGCCTG
 GGTGACAGCTGGCTTTTGCACATCCCACATGCGGAAGACATTCCAACACGGTACCGTAGGGAACGGG
 GTGGGTTTCTTCTCCGGCCGTAAACTTCTTTGATGAGGACCCCTCCTTCTACTACCCGACTCCATCT
 ATTTCCGGAAGGACCAGGATGTCACAGACTGTGAGGTCAACTCCCTGGCTTGCCTGTCTCAGACTGCCAA
 CTGTGTCCCCGACCTCCCTGCCTTCTCCATGGGGCTTTACTTATAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR207330 representing NM_031582
 Red=Cloning site Green=Tags(s)

MTQKTTLVLLALAVITIFALVCVLLAGRSGDGGRLSQPLHCPVSLPSVQPQTHPGQSQPFADLSPEELTA
 VMSFLIKHLGGLVDAQAQRPDNCVFSVELQLPAKAAALHLDRGGPPPVEALAIIFFGGQPKPNVSE
 LVVGPLPHPSYMRDVTVERHGGPLPYRRPVLTREYQDIQEMIFHRELPOASGLLHHCCFYKRQGHNLK
 MTTAPRGLQSGDRATWFGIYYNLSGAGFYPHPIGLELLVDHKALDPALWTIQKVFYQGRYYESLTQLEDM
 FEAGLVNVVLVPDNGTGGSWSLKSSVPPGRAPPLQFHPEGPRFSVQGSQVRSSLWAFSFGGLGAFSGPRIF
 DIRFQGERVAYEISVQEAIALYGGNSPASMSTCYMDGSFGIGKYSTPLTRGVDCPYLATYVDWHFLLESQ
 TPKTLRDAFCVFEQNQGLPLRRHSDFYSHYFGGVVETLVVRSVATLLNYDVVDMVFHNSGAIEVKFH
 ATGYITSAFFFGAGEKFGNRVAEHTLGTVHTHNAHFKVDLDVAGLKNWAWAEDLAFVPMNVPWQPEFQM
 RLQVTRKLLLETEEEAAFPLGNATPRYLALASNHSNKWGHRRGYRIQILSFAGKPLPQESPIEKFTWGRY
 HLAVTQRKEEEPSSSSINQNDPWTPTVDFTDFISNETIAGEDLVAVVTAGFLHIPHAEDIPNTVTVNGN
 VGFFLRPNYNFDEDPSPFSPDSIYFRKQDQDVTDCVNSLACLSTANCVPDLPAF SHGGFTYK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



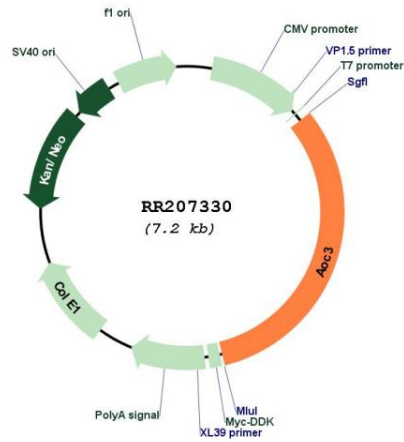
* The last codon before the Stop codon of the ORF

ACCN: NM_031582

ORF Size: 2289 bp

OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none"> 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
MW:	85 kDa
Gene Summary:	localized to the adipocyte plasma membrane and to glucose transporter Glut4 containing vesicles [RGD, Feb 2006]

Product images:



Circular map for RR207330