

Product datasheet for **MC221401**

Aoc2 (NM_178932) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aoc2 (NM_178932) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Aoc2
Synonyms:	RAO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221401 representing NM_178932
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATCTCAAGGTGCTGCTGCTTCTGGGGCTGTCTTTCCTCACTGTCTTTGCTCTGGTCTATGTCC
 TGCTGACCAGGCAAGGCAGTTTCAGCCAGTCTCCTCGATGCCCTTCCATACCTCCCAGAATTCATCCCTG
 GACACACCCTAGCCAGAGCCAGCTGTTTGCAGACCTGACCCAGAGGAGCTGACAGCTGTGATGAGCTTC
 CTGACCAAGCACCTGGGGCCGGGCTGGTGGATGCAGCCAGGCTCGACCCTCGGACAACGTGTCTTCT
 CAGTAGAGTTGCAGCTGCCTGCCAAGGCTGCAGCCCTGGCCACCTGGACAGAGGGGGCCCCACCTGT
 GCGAGAGGCACTAGCCATCATCTTCTTTGGTGGACAACCAAGCCCAACGTGAGTGAGCTGGTGGTGGG
 CCCCTGCCTCACCCCTCATACGCGGATGTGACTGTGGAGCGCCACGGCGGCCCTGCCCTATTATC
 GCGCCCCATGCAGAAACTGAGTTTGTTCAGATATGGAGGCATTTGAAAGAAGTGAGCTACCAAAGGC
 ACCCACCTTTCTGGCTTCTGTCTTGAACATAAATGGCTCCACCTTGGCACCTTTGCATTCTACTGCTAGT
 GGTTCATGCAGGCGATCGAGCTACCTGGATAGCCCTTACCATAACATCTCAGGTCTTGAGTGTTC
 TTCACCCTGTGGGGCTGGAGCTACTGTTGGACCACGGGGCCCTGGACCCTGCCGACTGGGTAGTCCAACA
 GGTCTTCTACCTTGGGCATTACTATGCAGACTTGGCCAGTTGGAATGGGAGTTTAAAGTTGGCCGCTA
 GAAGTGATTGGGTCCCTTACCACACCAGGTGGAGCTTCTCCTTGAGGCCTAGAGTCACTCCAGACC
 CTCCTTCCCCCTTTCAGTTCCTCACTTCAGGGTCCCCAGTAAACATACAGGGAAACTCAGTGACATC
 TCCCCTTGACATTTACCTTTGGTTCATGGGGTGTTCAGTGGCTTAAGAAATTTTGATATCGGTTCAAG
 GGTGAGCGTGTGGCTTATGAAGTCAGTGTCCAGGAGTGTCTGACAGTTTATGGTGTGATCCCCAAAA
 CAATGACGATCCGGTACTTGGACAGCAGCTATGGGCTTGGTCTCAACAGCCGAGCTTTGGTTCGGGGGT
 GGATTGCCCTATCAAGCCACAATGGTGGACATCCATGTACTGGTGGGCACGGGGTCACTCCAGTGTCTT
 CCAGGGGCTGTGTGTATTTGAGGAGGCCAGGGACTGCCCTTCAAGGCATCATAATGGCATCGGGG
 GTCATTTCTATGGTGGTTTGGCCAGCTCAAGCCTTGTGGTCAAGTCCGGTGTATCAGTGGCAACTATGA
 TTACATCTGGGACTTTATGCTACACCAACCGGGCCCTTGAAGCTCGTGTCCATGCCACGGGCTATATC
 AACACAGCCTTATGAGTGGAGGAGCTGAAAGTCTCCTCTTTGGGAACCGTGTGGGAGAAAGAGTGTGG
 GAGCGGTGCATACACACGCTTCCACTTCAAACGGACCTTGTATGAGCAGGTTTAAAAACTGGGTGAT
 AGCTGAAGATGCGGTCTTAAAGCCTGTAGCAGCCCCCTGGAACCCAGAGCTTCACTACAGCGCCACAG
 CTGACCAGGCAGGTCCTGAGCAGAGAGGACCTGGCTGCATTTCCCTGGGGAGCCCTTCTCTCGATACC
 TTTACCTGGCTACCAACCAGACCAATGCCTGGGGTCAACAGCGAGGGTACCGAATCCAGATCCACAGCCC
 TCCTGGTGTGCATGTGCCTTGGAGAGCAGCGAGGAGAGGGCTCTCAGCTGGGGGAGGTACCAGCTTGTG
 GTGACCCAGAGGAAGGAGGCAGAGCCTCACAGCAGCAGCATCTATTACCAGAACGACATGCGGAGCCAG
 CTACGGTTTTTGTGACTTATCAACAATGAAACCCTTATAGGGGAGGATCTGGTGGCTTGGGTGACAGC
 CAGTTTCTGCACATCCCCATGCTGAGGACATCCCCAACACAGTACTGTGGGAAACAGAGTGGGCTTC
 TTGCTCCGACCCTACAATTTCTCAATGAAGATCCCTCTATCTTCTCCCTGGCAGCGTACTTTGAGA
 GGGACCAGGATGCCGGGCTCTGCAGCATCAACCCTGTGGCCTGCACCAACAGCTGGCAGACTGTGTCCC
 CAACTTACCCTCTTTTCTATGAAGCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_178932
Insert Size: 2274 bp

OTI Disclaimer:	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).
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_178932.1 , NP_849263.1
RefSeq Size:	2553 bp
RefSeq ORF:	2274 bp
Locus ID:	237940
UniProt ID:	Q812C9
Cytogenetics:	11 D
Gene Summary:	Has a monoamine oxidase activity with substrate specificity for 2-phenylethylamine and tryptamine. May play a role in adipogenesis. May be a critical modulator of signal transmission in retina (By similarity).[UniProtKB/Swiss-Prot Function]