

## Product datasheet for **MG210469**

### **Aoc1 (NM\_029638) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Aoc1 (NM_029638) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Aoc1
Synonyms:	1600012D06Rik; Abp1; DAO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG210469 representing NM\_029638  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGTCTGGCCTTCGGCTGGGCAGCTGTCATATTACTTCTACAGACGGCAGACACACCATCTGCTGTGA  
 CGACTCCTCATGACAAAGCAAGGATATTTGCAGACCTGAGCCCCAGGAGATAAAGGCTGTGCACAGCTT  
 CCTGATGAGCAGAAAGGAGCTGGGGCTGGAGTCATCCAAGAATCTGACTTTGGCCAAGAACTCCGTGTTT  
 CTCATTGAGATGCTACTGCCAAAAAGAAGAATGTGCTGAAATTTTGGATGAAGGAAGAAAAAGTCCTG  
 TCCGGGAAGCCAGGGCCATCATCTTCTCGGTGCCAGGATCACCCCAATGTCAGTGTGCTGTGGG  
 GCCCTGCCACGGCCCTGCTATGTTCAAGCACTGTCCCCAGGCCAGGGCACCATCTGCTCTGGTCATCA  
 AGACCCATCTCCACAGCGGAGTATGACCTCTACCACATGCTGAACAGAGCCATCACGCCTCTGCACC  
 AGTTTTCTTGGACTACTGGCTTCTCATTCTAGGCTGCGATGACCGTTCTTGACTTTACGGATGT  
 AGCGCCGCGTGGTGTGGAGTCTGGTCAGCGTAGAAGCTGGCTTATCGTGCAGCGTATGTGAAGGCTAC  
 TTCTGTCATCCCACAGGGCTGGAGATCCTGTAGATCATAGCAGCACAGATGTCCAGGACTGGAGAGTGG  
 AACAGCTCTGGTATAACGGCAAGTTCTACAACAGCCCAGAGGAAGTGGCTCAGAAATACGCAAGTTGAGA  
 AGTGGAGGCAGTGGTTCTGGAGGAAGTGGTTCTCGAGGACCCACTGCCGGGTGCCACAGAGCAGCCACCA  
 CTCTTCTCTTCTACAAGCCCCGGGGGAATTCACACGCCAGTCACTGTTGCAGGCCCCACGTTGTCC  
 AGCCCAAGTGGCCCGAGATATAAGCTAGAGGGCAACGTTGTGCTCTACGGAGACTGGAGCTTCTTACCG  
 GCTAAGATCCTCTTCTGGGCTGCAGATCTTAAATGTAAGTCTTTGGAGGTGAGCGTGTGCCTATGAGGTC  
 AGCGTGCAGGAGGCTGTGGCACTATATGGAGGACACACCTGCAGGCATGCAGACTAAGTATATTGATG  
 TTGGTTGGGGCTGGGCAGTGTCACTACGAGCTGGCCCTGGTATTGACTGTCCAGAGACCCGCTACTTT  
 CCTGGATGCTTTCCACTATTATGACAGCGATGGCCCTGTCTTTATCCACGCGCTCTGTGCTCTTTGAG  
 ATGCCACAGGGTACCCCTTAGGCGCCACTTTGACTCAAAGTTTAAAGGTGGCTTCAACTTCTATGCGG  
 GTTTGAAGGATATGTGCTGGTGTACGGACGACATCGACAGTCTATAATTATGACTATATCTGGGATTT  
 CATCTTCTACCCTAATGGTGTGATGGAGACCAAGATGCATGCCACTGGATATGTCCACGCAACCTTCTAC  
 ACCCTGAGGGACTGCGCATGGCACTCGTTACAAACCCACCTGCTTGGCAACATCCACACCCACCTGG  
 TGCACTACCGTGTGACCTGGACGTGGCAGGCACCAAGAAGCAGCTTCCGGACACTGAAGACAAAGCTGGA  
 AAACATCACCAATCCCTGGAGCCCAAGTCACTCCCTAGTCCAGCCACACTTGAGCAGACCCAGTACTCC  
 CAGGAGCACAGGCTGCATTCGCTTTGGACAGACTCTGCCAAGTACCTGCTTTAGCAGCCCCAAA  
 AGAACCGTTGGGGCCACAGGCGGAGTACCGCCTGCAGATCCACTCTATGGCTGAGCAGGTGCTACCACC  
 AGGTTGGCAGGAGGAGCGGGCTGTCACTTGGGCCAGGTATCCCTTGGCTGTGACAAAGTATCGGGAATCT  
 GAACGCTACAGCAGCAGCCTCTACAACCAGAATGACCCCTGGGATCCCCCTGTGGTTTTTGGAGGTTCC  
 TTCGGAACAACGAGAATATTGAAAATGAGGATCTGGTGGCCTGGGTGACAGTAGGCTTCTGACATCCC  
 TCACTCAGAGGATGTCCCAACACAGCCACACCTGGAAATTGTGTGGGCTTCTTGATCCGGCCATTCAAC  
 TTCTTCGAGGAGGATCCATCCCTGGCATCTAGAGACACTGTGATAGTGTGGCCCCAGGACAACGGTCTCA  
 ACCATGTTCCAGCGCTGGATCCCTGAGAACAGGGACTGCTTGGTGTCTCTCTTTTAGCTACAATGGGAC  
 CTACAAGCCTGTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210469 representing NM\_029638  
 Red=Cloning site Green=Tags(s)

MSLAFGWAAVILLQLTADTPSAVTTPHDKARIFADLSPQEIKAVHSFLMSRKELGLESSKNLTLAKNSVF  
 LIEMLLPKKKNVLKFLDEGRKSPVREARAIIFFGAODHPNVTEFAVGPLPRPCYVQALSPRPGHLSWSS  
 RPISTA EYDLLYHMLNRAITPLHQFFLDTTGFSFLGCDRFLTFDVA PRGVE SGQRSSWLIVQRYVEGY  
 FLHPTGLEILVDHSSTDVQDWRVEQLWYNGKFYNSPEELA QKYAVGEVEAVVLEEVLEDP L PGATEQPP  
 LFSSYKPRGEFHTPVTVAGPHVQPSGPRYKLEGNVVL YGDWSFSYRLRSSGLQIFNVLFGGERVAYEV  
 SVQEAVALYGGHTPAGMQTKYIDVGWLGSVTHELAPGIDCPETATFLDAFHYYDSGDPVLYPRALCLFE  
 MPTGVPLRRHFDNSFKGGFNFYAGLKGYVLVLRRTTSTVYNYDYIWFIFYPNGVMETKMHATGYVHATFY  
 TPEGLRHGTRLQTHLLGNIHTHLVHYRVDL DVAGTKNSFRTLKTKLENITNPWSPSHSLVQPTLEQTQYS  
 HEHQAAFRTGQTLPKYLLFSSPQKNRWGHRRSYRLQIHSMAEQVLP PGWQEERAVTWARYPLAVTKYRES  
 ERYSSSLYNQNDPDPVVFEEFLRNNENIENEDLVAWVTVGFLHIPHSEDVPNTATPGNCVGLIRPFN  
 FFEEDPSLASRDTVIVWPQDNGLNHVQRWIPENRDCLVSPPF SYNGTYKPV

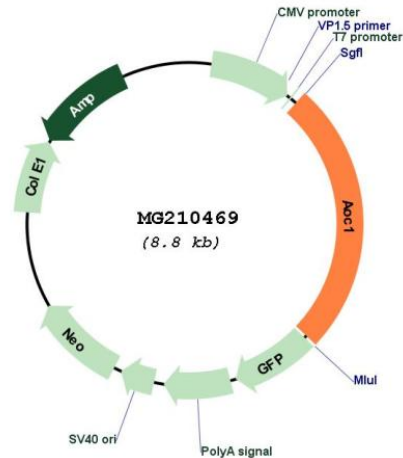
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_029638

**ORF Size:** 2253 bp

**OTI Disclaimer:** 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](#)

**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:**

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\\_029638.1](#), [NP\\_083914.1](#)

**RefSeq Size:** 2729 bp

**RefSeq ORF:** 2271 bp

**Locus ID:** 76507

Cytogenetics: 6 23.78 cM