

Product datasheet for **MG222418**

Aoc1 (NM_001161621) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Aoc1 (NM_001161621) 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:

>MG222418 representing NM_001161621
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGGCTGGCACAGATGAGTCTGGCCTTCGGCTGGGCAGCTGTCATATTACTTCTACAGACGGCAGACA
 CAGCATCTGCTGTGACGACTCCTCATGACAAAAGCAAGGATATTTGCAGACCTGAGCCCCAGGAGATAAA
 GGCTGTGCACAGCTTCTGATGAGCAGAAAAGGAGCTGGGGCTGGAGTCATCCAAGAACTGACTTTGGCC
 AAGAACTCCGTGTTTCTCATTGAGATGCTACTGCCAAAAAGAAGAATGTGCTGAAATTTTTGGATGAAG
 GAAGAAAAAGTCTGTCCGGGAAGCCAGGGCCATCATCTTCTTCGGTGCCAGGATCACCCCAATGTCAC
 TGAGTTTGTGTGGGGCCCTGCCACGGCCCTGCTATGTTCAAGCACTGTCCCCAGGCCAGGGCACCAT
 CTGTCCTGGTCATCAAGACCCATCTCCACAGCGGAGTATGACCTCCTCTACCACATGCTGAACAGAGCCA
 TCACGCCCTGTCACCAGTTTTTCTTGACACTACTGGCTTCTCATTCTAGGCTGCGATGACCGGTTCTT
 GACTTTTACGGATGTAGCGCCGCTGGTGTGGAGTCTGGTCAGCGTAGAAGCTGGCTTATCGTGCAGCGC
 TATGTGGAAGGCTACTTCTGCATCCCACAGGGCTGGAGATCCTTGATAGATCATAGCAGCACAGATGTCC
 AGGACTGGAGAGTGGAACAGCTCTGGTATAACGGCAAGTTCTACAACAGCCCAGAGGAAGTGGCTCAGAA
 ATACGCAGTTGGAGAAGTGGAGGCAGTGGTTCTGGAGGAAGTGGTTCTCGAGGACCCACTGCCGGGTGCC
 ACAGAGCAGCCACCCTTCTCTTCTACAAGCCCCGGGGGAATTCACACGCCAGTCACTGTTGCAG
 GCCCCACGTTGTCCAGCCAGTGGCCCCAGATATAAGCTAGAGGGCAACGTTGTGCTCTACGGAGACTG
 GAGCTTCTTACCGCTAAGATCCTCTTCTGGGCTGCAGATCTTAATGTACTCTTTGGAGGTGAGCGT
 GTTGCCTATGAGGTCAGCGTGCAGGAGGCTGTGGCACTATATGGAGGACACACCTGCAGGCATGCAGA
 CTAAGTATATTGATGTTGGTGGGGCTGGGCAGTGTCACTCACGAGCTGGCCCCGGTATTGACTGTCC
 AGAGACCGCTACTTTCTGGATGCTTTCCACTATTATGACAGCGATGGCCCTGTCCTTTATCCACGCGCT
 CTGTGCCTCTTTGAGATGCCACAGGGTACCCCTTAGGCGCCACTTTGACTCAAACCTTTAAGGTGGCT
 TCAACTCTATGCGGGTTTGAAGGATATGTGCTGGTGTACGGACGACATCGACAGTCTATAATTATGA
 CTATATCTGGGATTTTCTTCTACCCTAATGGTGTGATGGAGACCAAGATGCATGCCACTGGATATGTC
 CACGCAACCTTCTACACCCTGAGGGACTGCGCCATGGCACTCGCTTACAAACCCACCTGCTTGGCAACA
 TCCACACCACCTGGTGCCTACCGTGTGACCTGGACGTGGCAGGCACCAAGAAGCTTCCGGACACT
 GAAGACAAAGCTGAAAACATCACCAATCCCTGGAGCCCAAGTCACTCCCTAGTCCAGCCCACACTTGAG
 CAGACCCAGTACTCCACGAGCACCAGGCTGCATTCCGCTTTGGACAGACTCTGCCCAAGTACCTGCTCT
 TTAGCAGCCCCAAAAGAACCGTTGGGGCCACAGGCGGAGCTACCGCCTGCAGATCCACTCTATGGCTGA
 GCAGGTGTACCAACAGGTTGGCAGGAGGAGCGGGCTGTCACTTGGGCCAGGTATCCCTTGGCTGTGACA
 AAGTATCGGGAATCTGAACGCTACAGCAGCAGCCTCTACAACCAGAATGACCCCTGGGATCCCCCTGTGG
 TTTTTGAGGAGTTCCTTCGGAACAACGAGAACATTGAAAATGAGGATCTGGTGGCCTGGGTGACAGTAGG
 CTTCTGCACATCCCTCACTCAGAGGATGTCCCAACACAGCCACACCTGGAAATGTGTGGGCTTCTTG
 ATCCGGCCATTCAACTTCTCGAGGAGGATCCATCCCTGGCATCTAGAGACACTGTGATAGTGTGGCCCC
 AGGACAACGGTCTCAACCATGTTTCAGCGCTGGATCCCTGGAACAGGGACTGCTTGGTGTCTCCTCTTT
 TAGCTACAATGGGACCTACAAGCCTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222418 representing NM_001161621
 Red=Cloning site Green=Tags(s)

MRLAQMSLAFGWAAVILLQLTADTASAVTTPHDKARIFADLSPQEIKAVHSFLMSRKELGLESSKNLTLA
 KNSVFLIEMLLPKKKNVLKFLDEGRKSPVREARAIIFFGAQDHPNVTEFVAVGPLPRPCYVQALSPRPGHH
 LSWSSRPITAEYDLLYHMLNRAITPLHQFFLDTTGFSFLGCDDRFLTFDVAAPRGVESGQRRSWLIVQR
 YVEGYFLHPTGLEILVDHSSTDVQDWRVEQLWYNGKFYNSPEELAQQYAVGEVEAVVLEEVVLEDPLPGA
 TEQPPLFSSYKPRGEFHTPVTVAGPHVVQPSGPRYKLEGNVVLVYGDWSFSYRLRSSGLQIFNVLFGGER
 VAYEVSVQEAVALYGGHTPAGMQTKYIDVGWGLGSVTHELAPGIDCPETATFLDAFHYDSDGPVLYPRA
 LCLFEMPTGVPLRRHFDNSFKGGFNFYAGLKGYVLVLRRTSTVYNYDYIWFIFYPNGVMETKMHATGYV
 HATFYTPPEGLRHGTRLQTHLLGNIHTHLVHYRVDLDVAGTKNSFRTLKTKLENITNPWSPSHSLVQPTLE
 QTQYSHEHQAAFRFGQTLPKYLLFSSPQKNRWGHRRSYRLQIHSMAEQVLPQGWQEERAVTWARYPLAVT
 KYRESERYSSSLYNQNDPWPDPVVFEEFLRNNENIENEDLVAVVTVGFLHIPHSEDVPNTATPGNCVGLF
 IRPFNFEEEDPSLASRDTVIVPQDGNLNVQRWIPENRDCLVSPPFYNGTYKPV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001161621

ORF Size: 2268 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_001161621.1](#), [NP_001155093.1](#)

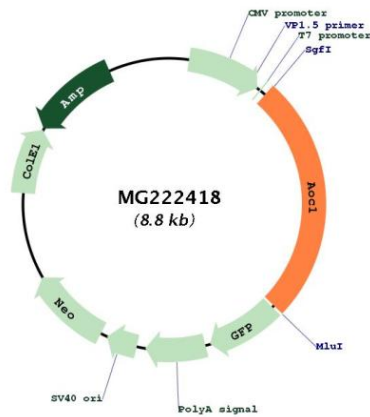
RefSeq Size: 2831 bp

RefSeq ORF: 2271 bp

Locus ID: 76507

Cytogenetics: 6 23.78 cM

Product images:



Circular map for MG222418