

## Product datasheet for **RG204163**

### ABP1 (AOC1) (NM\_001091) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ABP1 (AOC1) (NM_001091) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABP1
Synonyms:	ABP; ABP1; DAO; DAO1; KAO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG204163 representing NM\_001091  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCGGCCCTGGGCTGGGCCGTGGCTGCCATCCTGATGCTGCAGACGGCCATGGCGGAGCCCTCCCCGG  
 GGAAGCTCTGCCAGGAAGGCAGGGGTGTTTTTCAGACCTAAGCAACCAAGAGCTGAAGGCAGTGCACAGCTT  
 CCTCTGGTCCAAGAAGGAGCTGAGGCTGCAGCCCTCCAGTACCACCACCATGGCCAAGAACACCGTGTTT  
 CTCATCGAGATGCTGCTGCCAAGAAGTACCATGTGCTGAGGTTTCTGGATAAAGGTGAAAGGCATCCTG  
 TGCGGGAAGCCCGTGCCGTATCTTTGGTGACCAGGAGCATCCCAATGTCACCGAGTTTGCTGTGGG  
 GCCCTGCCAGGGCCCTGCTACATGCGAGCACTGTCCCCAGGCCTGGTACCAGTCTCCTGGGCATCG  
 AGGCCATCTCCACAGCAGAGTATGCCCTCTACCACACCCTGCAGGAAGCCACCAAGCCCTGCATC  
 AGTTCTTCTCAATACCACAGGCTTCTCATTCCAAGACTGCCATGACAGATGCCTGGCCTCACCAGATG  
 GGCCCCCGGGGTGTGGCTTCTGGCCAGCGCCGAGTTGGCTTATCATACAGCGTATGTAGAAGGCTAC  
 TTTCTGCACCCCACTGGGCTGGAGCTCCTCGTGGATCATGGGAGCACAGATGCTGGGCACTGGGCGGTGG  
 AGCAGGTGTGGTACAACGGGAAGTTCTATGGGAGCCCAGAGGAAGTGGCTCGGAAGTATGCAGATGGAGA  
 GGTGGACGTGGTGGTCTGGAGGACCCGCTGCCTGGGGCAAGGGGCATGACAGCACAGAGGAGCCGCC  
 CTCTTCTCCTCCACAAGCCCGCGGGGACTTCCCCAGCCCCATCCATGTGAGCGGCCCCCGCTTGGTCC  
 AGCCCCACGGCCCTCGTTCAGGCTGGAGGGCAACGCTGTGCTCTACGGCGGCTGGAGCTTTGCCTTCCG  
 GCTGCGCTCCTCCTCCGGGCTGCAGGCTCTGAAGTGCCTTCCGGGAGAGCGCATTGCCTATGAGGTC  
 AGCGTGAAGAGGCAAGTGGCGCTGTATGGAGGACACACCTGCAGGCATGCAGACCAAGTACCTCGATG  
 TCGGCTGGGGCTGGGCAGCGTCACTCATGAGTTAGCCCCGGCATCGACTGCCCGAGACCCACCTT  
 CCTGGACACTTTCCACTACTATGATGCCGATGACCCGGTCCATTATCCCCGAGCCCTCTGCCTTTTGAA  
 ATGCCACAGGGGTGCCCTTCCGGCGCACTTTAATTCCAACCTTAAAGGTGGCTTCAACTTCTATGCAG  
 GGCTGAAGGGCCAGGTGCTGGTGTGCGGACAACCTCAACTGTCTACAATTATGATTACATTTGGGACTT  
 TATCTTACCCCAACGGGGTATGGAGGCCAAGATGCATGCCACTGGCTACGTCCACGCCACCTTCTAC  
 ACCCCGAGGGGCTGCGCCACGGCACTCGCTGCACACCCACCTGATTGGCAACATACACTCACTTGG  
 TGCACTACCGGTAGACCTGGATGTGGCAGGCACCAAGAAGAGCTTCCAGACTGCAGATGAAGCTAGA  
 AAACATACCAACCCCTGGAGCCCGAGACACCGCTGGTCCAGCCAACTTGGAGCAGACGCAGTACTCC  
 TGGGAGCGCCAGGCGCCTTCCGCTTCAAAGGAAGCTGCCCAAGTACCTGCTTTTACCAGCCCCAGG  
 AGAACCCCTGGGGCCACAAGCGCAGTACCGCCTGCAGATCCACTCCATGGCCGACCAGGTGCTGCCCC  
 AGGCTGGCAGGAGGAGCAGGCCATCACCTGGGCAAGGTACCCCTGGCAGTGACCAAGTACCGGGAGTCA  
 GAGCTGTGCAGCAGCAGCATCTACCACCAGAACGCCCTGGGACCCGCCGTTGGTCTTTGAGCAGTTTC  
 TTCACAACAACGAGAACATTGAAAATGAGGACCTGGTGGCCTGGGTGACGGTGGGCTTCTGCACATCCC  
 CCACTCAGAGGACATTCCAACACAGCCACACCTGGGAACCTCCGTGGGCTTCTGCTCCGGCCATTCAAC  
 TTCTTCCAGAGGACCCCTCCCTGGCATCCAGAGACACTGTGATCGTGTGGCCTCGGGACAACGGCCCCA  
 ACTACGTCCAGCGCTGGATCCCTGAGGACAGGGACTGCTCGATGCCTCCCCCTTTAGCTACAATGGGAC  
 CTATAGACCTGTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



**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\\_001091.2](#), [NP\\_001082.2](#)

**RefSeq Size:** 2438 bp

**RefSeq ORF:** 2256 bp

**Locus ID:** 26

**UniProt ID:** [P19801](#)

**Cytogenetics:** 7q36.1

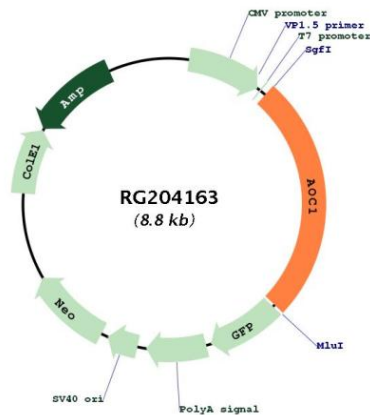
**Domains:** Cu\_amine\_oxid

**Protein Families:** Secreted Protein

**Protein Pathways:** Arginine and proline metabolism, Histidine metabolism, Tryptophan metabolism

**Gene Summary:** This gene encodes a metal-binding membrane glycoprotein that oxidatively deaminates putrescine, histamine, and related compounds. The encoded protein is inhibited by amiloride, a diuretic that acts by closing epithelial sodium ion channels. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2013]

**Product images:**



Circular map for RG204163