

Product datasheet for **MG210920**

Arid2 (BC027180) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arid2 (BC027180) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Arid2
Synonyms:	1700124K17Rik; 4432409D24Rik; zipzap/p200
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210920 representing BC027180
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATCTTCTCCACCCTTCAGTCACAGGGACCCCTCTACTGTGTCAGTCAGATGCTCTCTGTGAAGA
 GGCAGCAGCAGCAGCAGCACTACCAGCAGCTCCAGCACAGCAGGTCCAGGTCCAGGTTCAGCAGCCGCA
 GCAGGTCCAGGTGCAAGTTCAGCCGCAGCAACCGAGTGCTGGGGTCGGTCAGCCTGCTCCCAACGAGTCT
 AGTCTCATCAAGCAGCTGCTGCTGCCAAAGCGGGGCCCTCAACCCAGGGGGCAAGCTTATCCTCCAG
 CCCCTCAGATTCCTCCCTAACAATGCAAGAGCTCCTAGCCCTCAGGTGGTCTATCAGGTGGCCATAA
 CCAAGCAGCTGGTTTTGGAGTGCAGGGGCAAACTCCGGCTCAGCAGCTATTGGTTGGGCAGCAAAATGTT
 CAGTTGGTCCAAAGTGAATGCCACCCGAGGGGAGTCAAACCGTGCCATTTCAAACTTACAAATAT
 TGCCGGGTCCGCTGATCTCAAACAGCCAGCAACCATTTTCCAAGGACTTCTGGCAACCAGGTAACAT
 AACAGTTGTGCCAAATACAGTTTTGCAACTGCGACTGTGAGTCAGGAAACGCTGCTCAGCTCATTGCG
 CCAGCCGGTCTTAGCATGAGCGGAGCGCAGGCAGGCGCTGGACTTCAGGTGCAGACGCTCCAGCCGGAC
 AATCAGCGTGTACCCTGCTCCCTCCCGTTCAAAGGCGACAAGATCATTGCCAAAAGGAGGAGGAGGC
 AAAGGAAGCAACAGGTCTACATGTTTCAAGCGGAAGATTGAGGTGAGGAGTCCCTTCTGTCGGCGA
 GGAACCAAAACACCAGCAACGGGGATACAAGTGAAGTGAAGTCCAGGTGGGAAGTCTTTAAATGGGA
 GAAAGTATAGTACTCAAGTCTACCTCCTTCAAACCTCAGGAACTTCAGAGTGAAGCAGCCAGTGTCT
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 GTAGACATGCAGGATGTCAAAGTGTATGAAAAAGCCCTCGTCAATGGAATCTGTGATTTTATAAAG
 GAGATGGTCTCATTAAAGCAAAAACATCCAAATCACAAAACCTTCAATCATGTAGGAAATGGTGAAG
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 AGAGTTTCTAATGGACCTGTGTTAACTCTGGGTGGGTACCGTCCACAAGCAGTATGCAAGAAGCCCTA
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 TGTGCCTCAGCAACGCCAAGTGTAGTTGTCTCACCACATTCTACAGCCCTGTACATACAGGGGCATCAA
 GTCATAGCAGTTCCTCCACTCAGGACCTAGAGTACCCCTTCTGCTCTATCATCTGATGCTCGGTCTACAA
 ACGGCACAGCCGAGTGCAAACTGTAAGAGGCGCCGAGAGGATAATGATAGGGACTGTCCCGGGAAT
 CCCAAATAAAGTAGGGTTAGAATTGTTACAATCAGCGACCCCAACAATGCTGGTGCAGTGAACCATG
 GTTGGGTTCCAGCTGGAGCGGACCAAGCACTGTAGCGAAAGTAGCAATAGAAAGTGTGCTCAGCAAA
 AGCAACAGCATCCACCGACTACATGCAGAGTGTGGCCACAGAACACTCCTATGCCACCTTACCAGC
 TGTACAAGTGCAGGGCCAGCCTAGCAGTCTCAGCCTTCTCAGTCAGTGCCTCAGTCAGCATGCAGAT
 CCAGTGAGAAAACCTGGGCAGAACTTATGTGTCTGTGGCAGTCTGTGAAAAAGTGGTTTCAGACTCCCT
 CACAAGTGTCTATCATGCAGCTACTGAACATGGAGGAAAAGATGTGTATCCGGGGCAGTGTCTTTGGGA
 AGGCTGTGAGCCTTCCAACGGCAGAGTTCTCTTTTATTACCCACTTACAGGATAAGCACTGTTCAAAG
 GATGCCCTGCTTGAGGATTAAGCAAGATGAACCAGGACAAGTGGCAAAATCAAAAATCTTCTACCAAGC
 AGCCCACTGTGGGGGACAGGCTCTGCGCCAGAGCCAGAAAGCCATTGCAAGCCACCCCAAGTGTGCTG
 ACTCATGGCTCTGCGGAGAGGCTCAAGGAACCTCGTCTTCCGGGACTTCACAGATGAAAAAGAGGGACCA
 ATAACAAACACATCCGACTAACAGCTGCCTAATATTAATAAATAATTGGTAAATACTCAGAGTGTGGGC
 GCAGATTGTTAAAGAGACATGAAAAAAGTATCAGTGTGCTGCCATTAGTAAATGGAAGCTTCTCTAC
 CCTTGCCAAATGCCTTTTGAAGTAAATTTTACAGTTCAGAGTAAAGAACAAGAAAAAGACTCAGAAATG
 CTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

ACCN:	BC027180
ORF Size:	2525 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:	<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:	BC027180 , AAH27180
RefSeq Size:	2813 bp
RefSeq ORF:	2525 bp
Locus ID:	77044
Cytogenetics:	15 F1
Gene Summary:	Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). Required for the stability of the SWI/SNF chromatin remodeling complex SWI/SNF-B (PBAF). May be involved in targeting the complex to different genes. May be involved in regulating transcriptional activation of cardiac genes. [UniProtKB/Swiss-Prot Function]