

Product datasheet for **MC220851**

Arid2 (BC027180) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arid2 (BC027180) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arid2
Synonyms:	1700124K17Rik; 4432409D24Rik; zipzap/p200
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC027180
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATCTTCTCCACCCTTCAGTCACAGGGACCCCTCTACTGTGTCAGTCAGATGCTCTCTGTGAAGA
 GGCAGCAGCAGCAGCAGCACTACCAGCAGCTCCAGCACAGCAGGTCCAGGTCCAGGTTCAGCAGCCGCA
 GCAGGTCCAGGTGCAAGTTCAGCCGCAGCAACCGAGTGCTGGGGTCGGTCAGCCTGCTCCCAACGAGTCT
 AGTCTCATCAAGCAGCTGCTGCTGCCAAAGCGGGGCCCTCAACCCAGGGGGCAAGCTTATCCTCCAG
 CCCCTCAGATTCTCCCCCTAACATGCAAGAGCTCCTAGCCCTCAGGTGGTCTATCAGGTGGCCAATAA
 CCAAGCAGCTGGTTTTGGAGTGCAGGGGCAAACTCCGGCTCAGCAGCTATTGGTTGGGCAGCAAAATGTT
 CAGTTGGTCCAAAGTGAATGCCACCCGAGGGGAGTGCAAACCGTGCCATTTTCAACTTACAAATAT
 TGCCGGGTCCGCTGATCTCAAACAGCCAGCAACCATTTTCCAAGGACTTCTGGCAACCAGGTAACAT
 AACAGTTGTGCCAAATACAGTTTTGCAACTGCGACTGTGAGTCAGGAAACGCTGCTCAGCTCATTGCG
 CCAGCCGGTCTTAGCATGAGCGGAGCGCAGGCAGGCGCTGGACTTCAGGTGCAGACGCTCCAGCCGGAC
 AATCAGCGTGTACCCTGCTCCCTCCCGTTCAAAGGCGACAAGATCATTGCCAAAAGGAGGAGGAGGC
 AAAGGAAGCAACAGGTCTACATGTTTCAAGCGGAAGATTGAGGTGAGGAGTCCCTTCTGTCGGCGA
 GGAACCAAAACACCAGCAACGGGGATACAAGTGAAGTGAAGTCCAGGTGGGAAGTCTTTAAATGGGA
 GAAAGTATAGTACTCAAGTCTACCTCCTTCAAACCTCAGGAACTTCAGAGTGAGACGAGCCAGTGCTC
 ACTAATCAGCAATGGGCCATCGTTGGAAGTGGAGGAGTGGAGCGCCTGGAAAACAGAAGTCCAGAACCA
 GTAGACATGCAGGATGTCAAAGTGTCTGAAAAAGCCCTCGTCAATGGAATCTGTGATTTTATAAAG
 GAGATGGTTCTCATTAAAGCAAAAACATCCAAATCACAAAACCTTCAATCATGTAGGAAATGGTGTAG
 ATCTCCAGTAGAACCAAGGGACTTCGGGTGCCACTCAGCAAGATACTGCCAAAGGTGACCAACTAGAA
 AGAGTTTCTAATGGACCTGTGTTAACTCTGGGTGGGTACCGTCCACAAGCAGTATGCAAGAAGCCCTA
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 TGTGCCTCAGCAACGCCAAGTGTAGTTGTCTCACCACATTCTACAGCCCTGTATACAGGGGCATCAA
 GTCATAGCAGTTCCTCCACTCAGGACCTAGAGTACCCCTTCTGCTCTATCATCTGATGCTCGGTCTAAA
 ACGGCACAGCCGAGTGCAAACTGTAAGAGGCGCCGAGAGGATAATGATAGGGACTGTCCCGGGAAT
 CCCAAATAAAGTAGGGTTAGAATTGTTACAATCAGCGACCCCAACAATGCTGGTGCAGTGAACCATG
 GTTGCGGTCCCAGCTGGAGCGGACCAAGCACTGTAGCGAAAGTAGCAATAGAAAGTGTGCTCAGCAAA
 AGCAACAGCATCCACCGACTACATGCAGAGTGTGGCCCAAGAACTCCTATGCCACCTTACCAGC
 TGTACAAGTGCAGGGCCAGCCTAGCAGTCTCAGCCTTCTCAGTCAGTCCAGTCCAGTCCAGTGCAGAT
 CCAGTGAGAAAACCTGGGCAGAACTTATGTGTCTGTGGCAGTCTGTAAAAAGTGGTTTCAGACTCCCT
 CACAAGTGTCTATCATGCAGTACTGAACATGGAGGAAAAGATGTGTATCCGGGGCAGTGTCTTTGGGA
 AGGCTGTGAGCCTTTCCAACGGCAGAGTTCTCTTTTATTACCCACTTACAGGATAAGCACTGTTCAAAG
 GATGCCCTGCTTGAGGATTAAGCAAGATGAACCAGGACAAGTGGCAATCAAAAATCTTCTACCAAGC
 AGCCCACTGTGGGGGACAGGCTCTGCGCCAGAGCCCAAGAGCCATTGCAAGCCACCCCAAGTGTGC
 ACTCATGGCTCTGCGGAGAGGCTCAAGGAACCTCGTCTTCCGGGACTTACAGATGAAAAAGAGGGACCA
 ATAACAAACACATCCGACTAACAGCTGCCTAATATTAATAAATAATTGGTAAATACTCAGAGTGTGGGC
 GCAGATTGTTAAAGAGACATGAAAAAAGTATCAGTGTGCTGCCATTAGTAAATGGAAGCTTCTCTAC
 CCTTGCCAAATGCCTTTATGAAGTAAATTTACAGTTCAGAGTAAAGAACAAGAAAAAGACTCAGAAATG
 CTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC027180
Insert Size: 2526 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:	<u>BC027180</u> , <u>AAH27180</u>
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]