

Product datasheet for **MR210920**

Arid2 (BC027180) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR210920 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATCTTCTCCACCCTTCAGTCACAGGGACCCCTCTACTGTGTCAGTCAGATGCTCTCTGTGAAGA
 GGCAGCAGCAGCAGCAGCACTACCAGCAGCTCCAGCACAGCAGGTCCAGGTCCAGGTTCAGCAGCCGCA
 GCAGGTCCAGGTGCAAGTTCAGCCGCAGCAACCGAGTGCTGGGGTCGGTCAGCCTGCTCCCAACGAGTCT
 AGTCTCATCAAGCAGCTGCTGCTGCCAAAGCGGGGCCCTCAACCCAGGGGGCAAGCTTATCTCCAG
 CCCCTCAGATTCCTCCCCTAACAAATGCAAGAGCTCCTAGCCCTCAGGTGGTCTATCAGGTGGCCAAATA
 CCAAGCAGCTGGTTTTGGAGTGCAGGGGCAAACTCCGGCTCAGCAGCTATTGGTTGGGCAGCAAAATGTT
 CAGTTGGTCCAAAGTGAATGCCACCCGAGGGGAGTGCAAACCGTGCCATTTTCAACTTACAAATAT
 TGCCGGGTCGGCTGATCTCAAACAGCCAGCAACCATTTTCCAAGGACTTCTGGCAACCAGGTAACAT
 AACAGTTGTGCCAAATACAGTTTTGCAACTGCGACTGTGAGTCAGGAAACGCTGCTCAGCTCATTGCG
 CCAGCCGGTCTTAGCATGAGCGGAGCGCAGGCAGGCGCTGGACTTCAGGTGCAGACGCTCCAGCCGGAC
 AATCAGCGTGTACCAGTCTCCCTCCCGTTCAAAGGCGACAAGATCATTGCCAAAAGGAGGAGGAGGC
 AAAGGAAGCAACAGGTCTACATGTTTCAAGCGGAAGATTGAGGTGAGGAGTCCCTTCTGTCGGCGA
 GGAACCAAAACACCAGCAACGGGGATACAAGTGAAGTGAAGTCCAGGTGGGAAGTCTTTAAATGGGA
 GAAAGTATAGTGACTCAAGTCTACCTCCTTCAAACCTCAGGAACTTCAGAGTGAGACGAGCCAGTGCTC
 ACTAATCAGCAATGGGCCATCGTTGGAAGTGGAGTGAAGTGGAGCGCCTGGAAAACAGAAGTCCAGAACCA
 GTAGACATGCAGGATGTCAAAGTGTATGAAAAAGCCCTCGTCAATGGAATCTGTGATTTTATAAAG
 GAGATGGTCTCATTAAAGCAAAAACATTCCAAATCACAAAACCTCAATCATGTAGGAAATGGTGAAGT
 ATCTCCAGTAGAACCAAGGGACTTCGGGTGCCACTCAGCAAGATACTGCCAAAGGTGACCAACTAGAA
 AGAGTTTCTAATGGACCTGTGTTAACTCTGGGTGGGTACCGTCCACAAGCAGTATGCAAGAAGCCCTA
 GTGTGGGACACCCCGTTGAGTGGTACTGACCTGCCTAACGGACCTCTAGCTTCAAGTTTGAATTCAGA
 TGTGCCTCAGCAACGCCAAGTGTAGTTGTCTCACCACATTCTACAGCCCTGTACATACAGGGGCATCAA
 GTCATAGCAGTTCCTCCACTCAGGACCTAGAGTACCCCTTCTGCTCTATCATCTGATGCTCGGTCTACAA
 ACGGCACAGCCGAGTGCAAACTGTAAGAGGCGCCGAGAGGATAATGATAGGGACTGTCCCGGGAAT
 CCCAAATAAAGTAGGGTTAGAATTGTTACAATCAGCGACCCCAACAATGCTGGTGCAGTGAACCATG
 GTTGCGGTCCCAGCTGGAGCGGACCAAGCACTGTAGCGAAAGTAGCAATAGAAAGTGTGCTCAGCAAA
 AGCAACAGCATCCACCGACTACATGCAGAGTGTGGCCCCACAGAACACTCCTATGCCACCTTACCAGC
 TGTACAAGTGCAGGGCCAGCCTAGCAGTCTCAGCCTTCTCAGTCAGTGCCTCAGTCAGCATGCAGAT
 CCAGTGAGAAAACCTGGGCAGAACTTATGTGTCTGTGGCAGTCTGTAAAAAGTGGTTTCAGACTCCCT
 CACAAGTGTCTATCATGCAGCTACTGAACATGGAGGAAAAGATGTGTATCCGGGGCAGTGTCTTTGGGA
 AGGCTGTGAGCCTTCCAACGGCAGAGTTCTCTTTTATTACCCACTTACAGGATAAGCACTGTTCAAAG
 GATGCCCTGCTTGAGGATTAAGCAAGATGAACCAGGACAAGTGGCAAATCAAAAATCTTCTACCAAGC
 AGCCCACTGTGGGGGACAGGCTCTGCGCCAGAGCCAGAAAGCCATTGCAAGCCACCCAGTGTGCTG
 ACTCATGGCTCTGCGGAGAGGCTCAAGGAACCTCGTCTTCCGGGACTTCACAGATGAAAAAGAGGGACCA
 ATAACAAACACATCCGACTAACAGCTGCCTTAATATTAATAAATAATTGGTAAATACTCAGAGTGTGGGC
 GCAGATTGTTAAAGAGACATGAAAAAAGTATATCAGTGTGCTGCCATTAGTAAATGGAAGCTTCTCTAC
 CCTTGCCAAATGCCTTTATGAAGTAAATTTACAGTTCAGAGTAAAGAACAAGAAAAAGACTCAGAAATG
 CTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210920 protein sequence

Red=Cloning site Green=Tags(s)

```

MSSSSTLQSQGGPPTVSQMLSVKRQQQQHSPAAPAQQVQVQVQQPQQVQVQVQQPSAGVQQPAPNES
SLIKQLLLPKRGPSTPGGKLILPAPQIPPPNNARAPSPQVVYQVANNQAAGFGVQGGTPAQLLVGQQNV
QLVQSAMPPAGGVQTPVISNLQILPGPLISNSPATIFQGTSGNQVTITVVPNTSFATATVSQGNAAQLIA
PAGLSMSGAQAGAGLQVQTLQAGQSACTTAPLPFKGDKIICQKEEEAKEATGLHVHERKIEVMENPSCR
GTTNTSNGDTSESELQVGSLLNGRKYSDSSLPSPNSGKLQSETSQCSLISNGPSLELGENGAPGKQNSE
VDMQDVKGDLKKALVNGICDFDKDGSLSKNIPNHKTSNHVGNGEISPVPEPQGTSGATQQDTAKGDQLE
RVSNGPVLTGGSPSTSSMGEAPSVATPPLSGTDLPNGPLASSLNSDVPQQRPSVVVSPHSTAPVIQGHQ
VIAVPHSGPRVTPSALSDDARSTNGTAECKTVKRPEDNRDTPGIPNKVGVRIVTISDPNAGCSATM
VAVPAGADPSTVAKVAIESAAQKQHPPTYMQSVAPQNTMPPSPAVVQVQGQPSSQSPVVSASSQHAD
PVRKPGQNFACLWQSCWKWFQTPSQVFYHAATEHGGKDVYPGQCLWEGCEPFQRQRFSFIHLQDKHCSK
DALLAGLQDEPGQVANQKSSTKQPTVGGTGSAPRAQKAIASHPSAALMALRRGSRNLVFRDFTDEKEGP
ITKHIRLTAALILKNIGKYSCEGRLLKRHENNLVLAI SNMEASSTLAKCLYELNFTVQSKEQEKDSEM
L
  
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

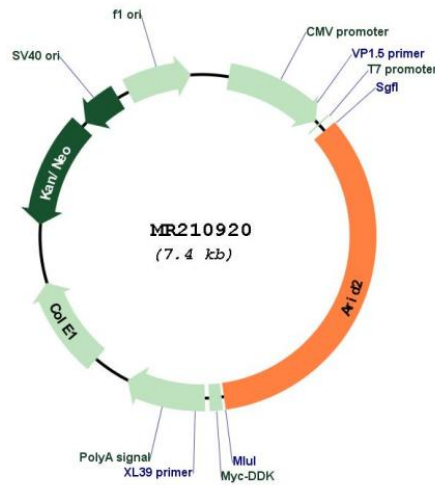
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	BC027180
ORF Size:	2523 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
MW:	88.4 kDa
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]