

Product datasheet for MR223666

Arid2 (NM_175251) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arid2 (NM_175251) 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
ORF Nucleotide Sequence: >MR223666 representing NM_175251
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAAACTCGACGGGAAGGCGCCTCCGGACGAGCGGAGGAAGGACTGGCTTCTCGACGAGCTGC
GGCAGTCCACCACAGCAGAGGGTCGCCGTTAAGAAGATCCCTGCGGTGGTGGGAAGGAGCTGGATCT
TCACGGCTCTACACCAGAGTCACTACTTAGGGGATTCGCGAAGGTTCTGAGAAGAATCAGTGGGA
GAAATTGTTGAAGAGTTCAACTTCCCAGAAGTTGTTCCAACGCTGCCTTTGCTTTAAAACAGTATTACT
TGCGTTATCTAGAAAAGTACGAGAAAGTTCATCATTTTGGGGAAGATGATGATGAGGTACCACCAGGCAA
TCCAAAGCCACAGCTTCTATTGGTGCAATCCCATCTTCTACAATTACCAGCAACACAGCGTGTGAGAT
TATCTACGTCAAAGTTATGGGTTATCTATGGATTTAATTCGCCAAATGATTATAATAAACTGGTGCTTT
CACTGTATCTGGACTCCCAATGAAGTGGACTTCGCTATTAATGTGTGCACTCTCCTATCAAATGAAAG
CAAGCAGTCATGCAGCTTGAGAAGGATCCCAAAATCATCACTTACTGCTCGCTAATGCGGGGGTGTTC
GATGACTTTAGGATCATTCTCTTCTGTCTTTGGAGAAGAGTGGCGAGAGAAGACTGATAGAGACTTTG
TTAAGTTTTGGAAAGACATTGTTGATGACAATGAAGTGGAGATCTCATTCTGACAGAAACAAGGCTCA
TGAAGATACACCAGGAGAATGGATTTGGGAATCTTTATTTTCATCCACCTCGAAAGCTGGGCATTAATGAC
ATCGAAGGCCAGCGGGTCTGCAGATCGCAGTGATCTTTCGGAACCTCTCCTTTGAGGAGAGCAATGTTA
AGCTCTTGGCAGCTAATCGCACCTGTCTGCGTTTCTGTTGCTCTCTGCACACAGTCATTTTATTTTATT
AAGGCAGCTAGGCCTGGACACCTTAGGGAATATCGCAGCTGAGCTTTTACTGGACCCTGTGGATTTGAGA
ACCACTCATCTGATGTTTACACACTGTTACAAAATGCCTGATGTCAAGGGATAGGTTTTTAAAGATGAGGG
GCATGGAATTTGGGAAATCTCTGCAAAGCAGAGGATAACGGTGTGTTGATTTGTAATATGTGGATCA
AGATTCCTATAGAGAGATAATTTGTACCTCACTCTGCCGATGTGCTGCTGGTACCTCAACCCTGGAG
GTGCTGTACATGCTCACTGAAATGGGGACGTGGCCTGCACAAAGATCGCGAAAGTGGAGAAGAGCATAG
ACGTGCTGGTGTCTGCTCTATGGACGCTCAGATGTTTGGACCTGACGCACTTGCTGCCGTGAAGCT
CATTGAGCATCCGAGCTCCAGTACCAAGTGTATCAGAGATTAGGCCGAAGCCATAGAGCAGGTCCAA
ACCCAGACCCACATAGCCTCCGGTCCAGCTTCCAGAGCAGTTGTAGCACAGCATGCTGCCCCCTCCAG



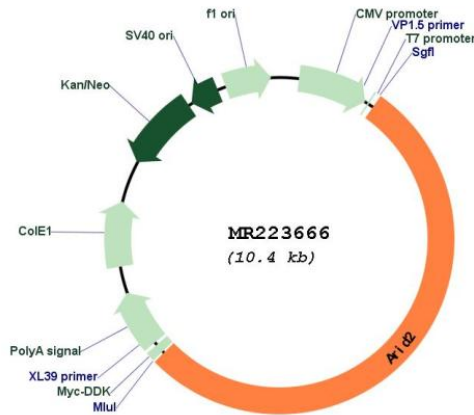
[View online >](#)

GAATCGTGAAATAGACAGTGAGAAGTTCGCTTGTCAAGTGGCTAAATGCTCATTTTGAAGTAAATCCAGA
CTGTTCCGTCTCTCGGGCAGAAATGATTCAGAGTACCTCTCAACTTGCAGTAAATAGCTCGCGGTGGC
ATCCTCACATCAACTGGGTTTTATAAGTGTCTTAGAACAGTTTTTCCAAATCATACAGTGAAGAGGGTAG
AAGATTCAGTACAGTGGGCGAGCGCATATCCATGTCATAGGAGTGAAGCGGCGGGCTCTCCCGTCCC
CATCCAGATGACTATCAGCAGCAGCAATTTCCACTCCTGTTGTCCGTGTTGATGCTGTTGCTGATCTA
TCTCCAACCTCCTCACCTGCAGGAATCCCTCATGGACCACAGGCTGCAGGGAATCATTTTCAGAGGACTC
TGTCCACCAATCAATCTTCAAATTTGACTGCAACACAAATGTCTTTCCGGTACAAGGCATTTCATAGT
GGCACAGACTGTTTCCAGAATTCACCAATCCTTCAGTTCATACCCACCAGCAACAAAATCTCCAGTA
ACTGTCAATCAGAATAAAGCTCCAATTCCTTGTGAAGTCGTTAAGGCAACAGTAATCCAGAATCTGTGC
CCCAGACGGCAGTTCCTGTGAGTATCTCTGTTGGAGGAGCACCTGCACAGAATCTGTGGGTGAGAACCA
TAGTGCAGGGCCACAGCCTGTTACAGTTGTAATTTCTCAGACATTACTTCACCATCCTTCTGTGATGCCA
CAGCCATCTCCACTACACACAGTGGTCCCGGACAGGTCCTTCAGGCACTCCTGTCACAGTAATCCAGC
AGACTGTACCGCAGAGTCGTATGTTTGGACGAGTACAGAGCATACCAGCGTGTACATCTACCGTCTCACA
GGGTGAGCAGTTAATCACCACATCACCACAGCCTATGCACACTTCATCTAACAGACAGCAGCTGGTAGC
CAGCCACAAGACTGTTATCATAGCACCCACAGTACGTAACAACTTTCGCATCCAATATCGTCTCAG
CGACTTCAGTACAGAATTTCCAGGTAGCTACAGGACAGGTGGTTACCATAGCTGGTGTCCCGAGCCACA
GCCCTCCAGGTAGGATTCAGAACATTGCGCCCAAGCCACTTCTTCTCAGCAAGTTTCCACATCAGTG
GTCCAGCAGCCTATTCAACAACCACAGCAGCCTGCTCAGCAGAGTGTAGTGATTGTGAGCCAGCCAGCAC
AGCAAGGCCAGGCGTACGCACCAGCCATTCACCAGATCGTTCTCGCTAACCCGGCAGCTCTCCCTGCCGG
TCAGACGGTTCAGCTAACTGGACAACCAAAACATAAATCCATCGTCATCACCATCAGTGTCCCGCTACT
AATAACCAAGTCCCTACTGCCATGTCATCTTCTCCACCCTTCAGTACAGGGACCCCTCCTACTGTCA
GTCAGATGCTCTCTGTGAAGAGGCAGCAGCAGCAGCACTCACCAGCAGCGCCAGCAGCAGGTTCCA
GGTCCAGGTTGAGCAGCCGACAGGTCAGGTCAGGTCAGGTCAGGTCAGGTCAGGTCAGGTCAGGTCAGG
CAGCCTGCTCCCAACGAGTCTAGTCTCATCAAGCAGTGTGCTGCCAAAGCGGGGCCCTTCAACCCAG
GGGCAAGCTTATCCTCCAGCCCTCAGATTCCTCCCCCTAACAAATGCAAGAGTCTTAGCCCTCAGGT
GGTCTATCAGGTGGCCAATAACCAAGCAGCTGGTTTTGGAGTGCAGGGGCAAACTCCGGCTCAGCAGCTA
TTGGTTGGGCAGCAAAATGTTCAAGTGGTCCAAAGTGAATGCCACCCGAGGGGAGTGCAAAACCGTGC
CCATTTGAACTTACAAATATTGCCGGTCCGCTGATCTCAAACAGCCAGCAACCATTTTCCAAGGGAC
TTCTGGCAACCAGGTAACATAACAGTTGTGCCAAATACCAGTTTGAAGTGCAGTGTGAGTCAAGGGA
AACGCTGCTCAGCTCATTGCGCCAGCCGGTCTTAGCATGAGCGGAGCGCAGGCAAGCGCTGGACTTCAGG
TGCAGACGCTTCAGCCGGACAATCAGCGTGTACCACTGCTCCCTCCGTTCAAAGGCGACAAGATCAT
TTGCCAAAAGGAGGAGGAGGCAAAAGGAAGCAACAGGTCTACATGTTTCATGAACGGAAGATTGAGGTGATG
GAGAATCCTTCTGTCGGCGAGGAACCAAAACACCAGCAACGGGGATACAAGTGAAGTGAAGTCCAGG
TGGGAAGTCTTTAAATGGGAGAAAGTATAGTACTCAAGTCTACCTCCTTCAAACCTCAGGGAACTTCA
GAGTGAGACGAGCCAGTGTCTACTAATCAGCAATGGGCCATCGTTGGAAGTGGTGAAGTGGAGCGCT
GGAAAACAGAACTCAGAACAGTAGACATGCAGGATGTCAAAGGTGATCTGAAAAAGCCCTCGTCAATG
GAATCTGTGATTTGATAAAGGAGATGGTTCTCATTTAAGCAAAAACATTCCAAATCACAAAATCTTAA
TCATGTAGGAAATGGTGAGATATCTCCAGTAGAACCAAGGGACTTCGGGTGCCACTCAGCAAGATACT
GCCAAAGGTGACCAACTAGAAAGAGTTTCTAATGGACCTGTGTTAACTCTGGGTGGTCCCGTCCACAA
GCAGTATGCAAGAAGCCCGAGTGTGGCGACACCGCCGTTGAGTGGTACTGACCTGCCTAACGGACCTCT
AGCTTCAAGTTTGAATTCAGATGTGCCTCAGCAACGCCCAAGTGTAGTTGTCTACCACATTCTACAGCC
CCTGTCTACAGGGGCATCAAGTCATAGCAGTTCCTCCACTCAGGACCTAGAGTGACCCCTTCTGCTCTAT
CATCTGATGCTCGGTCTACAAACGGCACAGCCAGTGCAAAAGTGTAAAGAGGCGGAGGATAATGA
TAGGGACACTGTCCCGGAATCCAAATAAAGTAGGGTTAGAATTGTTACAATCAGCGACCCCAACAAT
GCTGGTGCAGTGAACCATGGTTGCGGTCCCAGCTGGAGCGGACCAAGCACTGTAGCGAAAGTAGCAA
TAGAAAGTGTGCTCAGCAAAAGCAGCAGCATCCACCGACCTACATGCAGAGTGTGGCCCCACAGAACAC
TCCTATGCCACCTTACCAGCTGTACAAGTGCAGGGCCAGCCTAGCAGTTCTCAGCCTTCTCCAGTCAGT
GGTCCAGTCAGCATGCAGATCCAGTGAGAAAACCTGGGCAGAACTTCATGTGTCTGTGGCAGTCTTGTA
AAAAGTGGTTTACAGACTCCCTCACAAAGTGTCTATCATGCAGCTACTGAACATGGAGGAAAAGATGTGTA
TCCGGGGCAGTGTCTTTGGGAAGGCTGTGAGCCTTCCAACGGCAGAGGTTCTCTTTTATTACCCACTTA
CAGGATAAGCACTGTTCAAAGGATGCCCTGCTTGCAAGATTAAAGCAAGATGAACAGGACAAGTGGCAA
ATCAAAAATCTTCTACCAAGCAGCCACCGTGGGGGCACAGGCTCTGCGCCAGAGCCAGAAGGCCAT

Cloning Scheme:



Plasmid Map:



ACCN: NM_175251

ORF Size: 5484 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:	NM_175251.4 , NP_780460.3
RefSeq Size:	9031 bp
RefSeq ORF:	5487 bp
Locus ID:	77044
UniProt ID:	E9Q7E2
Cytogenetics:	15 F1
MW:	196.4 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]