

Product datasheet for RC212320

ARID2 (NM_152641) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARID2 (NM_152641) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARID2
Synonyms:	BAF200; CSS6; p200
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212320 representing NM_152641 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCAAACCTCGACGGGGAAGGCGCCTCCGGACGAGCGGAGAAAGGGACTCGCTTTCCTGGACGAGCTGC
GGCAGTTCACCCACAGCAGAGGGTGCCTTTTAAAAAATCCCTGCGGTGGTGGGAAGGAGCTGGATCT
TCACGGTCTCTACACCAGAGTCACTACTTTAGGCGGATTCGCGAAGGTTTCTGAGAAGAATCAGTGGGA
GAAATTGTTGAAGAGTTCAACTTTCCAGAAGTTGTTCTAACGCTGCCTTTGCTTTAAACAGTATTACT
TGC GTTACCTAGAAAAGTACGAGAAAGTTCATCATTTTGGGAGGATGATGATGAGTACCACCAGGCAA
TCCAAAGCCACAGCTTCCATTGGTGAATTCCATCTTCCATAAATTACCAGCAACACAGTGTGTGGAT
TATCTGCGTCAAAGTTATGGGCTGTCCATGGACTTTAATTCGCCAAATGATTATAATAAATTGGTGCCTT
CACTGTTATCTGGACTCCAAATGAAGTGGACTTTGCTATTAACGTATGCACTCTCCTATCAAATGAAA
CAAGCAGTCAATGCAACTTGAAAAGATCCTAAAATCATCACTTTACTACTTGCTAATGCCGGGGTGT
GACGACTTTAGGATCCTTTCCACTGTATTTGGAGAAGAAAGGAAAGAGACTGATAGAGACTTCG
TTAAGTTTGGAAAGACATCGTTGATGATAATGAAGTTCGTGACCTCATTCTGACAGAAACAAGTCTCA
TGAAGGTACATCAGGAGAATGGATTTGGGAGTCTTTATTTCCACCTCGAAAGCTGGGCATTAACGAT
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AGCTCTTGGCAGCTAATGTACCTGTCTTGGTTTCTTACTTTCTGCACATAGTCATTTTATTTCTTT
AAGGCAATTAGGCCTTGACACATTAGGAAATATTGCAGCTGAGCTTTTACTGGACCCTGTTGATTTCAA
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GCATGGAATTTTGGAAATCTTTGCAAAGCAGAAGATAATGGTGTTTTAAATTTGTAATATGTGGATCA
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ACATGTTAGTGTCTGTTTCTATGGATTTTCAAGATGTTTGGCCCTGATGCACTAGCTGCGGTAACCT
CATTGAACACCCAAGTTCAGTCATCAAATGTTATCTGAAATTAGCCACAAGCTATAGAGCAAGTCCAA



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AACCAGGACAAGCAGGAAGTCAGAAGTCTTCTACCAAGCAGCCAACTGTAGGGGGCACAAGCTCAACTCC
 TAGAGCACAAAAGGCCATTGTGAATCATCCCAGTGTGCATTATGGCTCTGAGGAGAGGATCAAGAAAAC
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 ATCAGTGTAGCCATTAGTAACATGGAAGCTTCTCCACCCTGCCAAATGCCTTTATGAACTTAATTTT
 ACAGTTCAGAGTAAGGAACAAGAAAAGACTCAGAAATGCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212320 representing NM_152641
 Red=Cloning site Green=Tags(s)

MANSTGKAPPDERRKGLAFLDELRFHHSRGSFPFKKIPAVGGKELDLHGLYTRVTTLGGFAKVSEKNQWG
 EIVEEFNFPRSCSNAAFALKQYYLRYLEKYEKVHHFGEDDDEVPPGNPKPQLPIGAIPSSYNYQQHSVSD
 YLRQSYGLSMDFNPNKYLLVLSLLSGLPNEVDFAINVCTLLSNEKHYMQLEKPKIITLLLANAGVF
 DDTLGSFSTVFGEEWKEKTDRDFVKFWKDIVDDNEVRDLISDRNKSHEGTSGEWIWESLFHPPRKLGIN
 IEGQRLQIAVILRNLSFEEGNVLLAANRTCLRFLLSAHSHFISLRQLGLDTLGNIAEELLDPVDFK
 TTHLMFHTVTKCLMSRDRFLKMRGMEILGNLCKAEDNGVLICEYVDQDSYREIICHLLTPDVLVISTLE
 VLYMLTEMGDVACTKIAKVEKSIDMLVCLVSMDIQMFDPDALAAVKLIEHPSSSHQMLSEIRPQAIQVQ
 TQTHVASAPASRAVVAQHVAPPPGIVEIDSEKFAQWLNNAHFVNPDCSVSRAEMYSEYLSTCSKLARGG
 ILTSTGFYKCLRTVFPNHTVKRVEDSSSNGQAHIHVVGVKRRRAIPLPIQMYQQQPVSTSVVRVDSVPD
 SPASPAGIPHGSQTIGNHFQRTPVANQSSNLTAQMSFPVQGVHTVAQTVSRIPQNPSPHHTQQQNA
 TVIQSKAPIPCEVVKATVIQNSIPQTGVPVSIIVGGGPPQSSVVQNHSTGPQPVTVVNSQTLHHHP
 QQSPLHTVVPQIPSGTPVTVIQQAVPQSHMFRVQNIPTACTSTVSQGGQLITTSQPQVQTSSQTSAGS
 QSQDTVIAIAPPQYVTTASNIIVSATSQVNFQVATGQMVITAGVPSQASRVGFQNIAPKPLPSQQVSST
 VQQPIQQPQQPTQSSVIVSQPAQQGQTYAPAIHQIVLANPAALPAGQTVQLTGQPNITPSSSPSPV
 NNQVPTAMSSSSTPQSQGPPPTVSQMLSVKRQQQQHSPAPPPQVQVQVQVQVQVQVQVQVQVQVQV
 QPASGESSLIKQLLLPKRGPSTPGGKILPAPQIPPPNNARAPSPQVVYQVASNQAAGFGVQGTTPAQQ
 LVGQQNVQLVPSAMPPSGGVQTVPI SNLQILPGPLISNSPATIFQGTSGNQVTITVVPNTSFAPATV
 NATQLIAPAGITMSGTQTGVGLPVQTLPATQASPAGQSSCTTATPPFKGDKIICQKEEAAKEATGLHV
 RKIEVMENPSCRRTGATNTSNGDTKENEMHVGSLNNGRKYSDSSLPPSNGKIQSETNQCSLISNGPSLE
 GENGASGKQNSEQIDMQDIKSDLRKPLVNGICDFDKGDGSHLSKNIPNHKTSNHVNGEISPMPQGTLD
 ITQQDTAKGDQLERISNGPVLTLGGSSVSIQEAASNAATQQFSGTDLNGLASSLNSDVPQQRPSVVVS
 PHSTTSVIQGHQIIAVPDSGSKVSHSPALSSDVRSTNGTAECTVKRPAEDTDRETVAGIPNKVGVRI
 ISDPNNAGCSATMVAVPAGADPSTVAKVAIESAVQQKQHPPTYVQNVVPQNTMPMPSPAVQVQGPNS
 QPSPFSGSSQPGDPMRKPQNFMLWQSCCKWFQTPSQVFYHAATEHGGKDVYPGQCLWEGCEPFQRQRF
 SFITHLQDKHCSKDALLAGLKQDEPGQAGSQSSTKQPTVGGTSSTPRAQKAIVNHPAALMALRRGSRN
 LVFRDFTDEKEGPITKHIRLTAALILKNIGKYSECGRRLLKRHENNLVLAISNMEASSTLAKCLYELNF
 TVQSKEQEKDSEMLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8114_h08.zip

Restriction Sites:

Sgfl-Mlul

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_152641.4](#)

RefSeq Size: 8466 bp

RefSeq ORF: 5508 bp

Locus ID: 196528

UniProt ID: [Q68CP9](#)

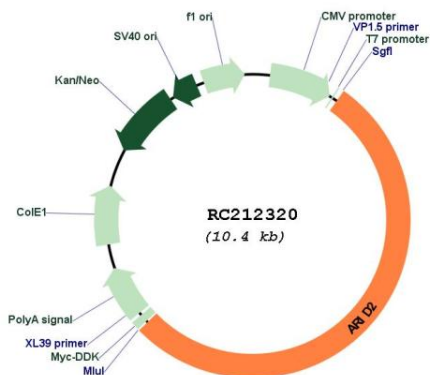
Cytogenetics: 12q12

Protein Families: Transcription Factors

MW: 197.2 kDa

Gene Summary: This gene encodes a member of the AT-rich interactive domain (ARID)-containing family of DNA-binding proteins. Members of the ARID family have roles in embryonic patterning, cell lineage gene regulation, cell cycle control, transcriptional regulation and chromatin structure modification. This protein functions as a subunit of the polybromo- and BRG1-associated factor or PBAF (SWI/SNF-B) chromatin remodeling complex which facilitates ligand-dependent transcriptional activation by nuclear receptors. Mutations in this gene are associated with hepatocellular carcinomas. A pseudogene of this gene is found on chromosome1. [provided by RefSeq, Dec 2016]

Product images:



Circular map for RC212320