

## Product datasheet for **SC106459**

### ARID2 (NM\_152641) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARID2 (NM_152641) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARID2
Synonyms:	BAF200; CSS6; p200
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152641, the custom clone sequence may differ by one or more nucleotides

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ATGGCAAACCTCGACGGGGAAGGCGCCTCCGGACGAGCGGAGAAAGGGACTCGCTTTCCTGGACGAGCTGC
GGCAGTTCCACCACAGCAGAGGGTGCCTTTTAAAAAATCCCTGCGGTGGTGGGAAGGAGCTGGATCT
TCACGGTCTCTACACCAGAGTCACTACTTTAGGCGGATTCGCGAAGGTTTCTGAGAAGAATCAGTGGGA
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TGCGTTACCTAGAAAAGTACGAGAAAGTTCATCATTTTGGGGAGGATGATGATGAGGTACCACCAGGCAA
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CAAGCACGTCATGCAACTTGAAAAAGATCCTAAAATCATCACTTTACTACTTGCTAATGCCGGGGTGT
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TGAAGGTACATCAGGAGAATGGATTTGGGAGTCTTTATTTCCACCTCGAAAGCTGGGCATTAACGAT
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TTGTTCTGTTTCTCGAGCAGAAATGTATTCTGAATACCTCTCGACTTGCAGTAAATTAGCTCGTGGTGGAA  
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 GCCAGCAGAGGATACTGATAGGGAAACAGTCGCAGGAATCCAAATAAAGTAGGAGTTAGAATTTGTACAA  
 ATCAGTGACCCCAACAAATGCTGGCTGCAGCGCAACAAATGGTTGCTGTGCCAGCAGGAGCAGATCCAAGCA  
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 TCTTTTATTACCACTTGCAGGATAAGCACTGTTCAAAGGATGCCCTACTTGCAGGATTAACAAGATG  
 AACAGGACAAGCAGGAAGTCAAGTCTTCTACCAAGCAGCCAACCTGTAGGGGGACAAGCTCAACTCC  
 TAGAGCACAAAAGGCCATTGTGAATCATCCAGTGTGCCTTATGGCTCTGAGGAGAGGATCAAGAAAC

CTTGTCTTTCGAGATTTTACAGATGAAAAAGAGGGACCAATAACTAAACACATCCGACTAACAGCTGCCT  
 TAATATTAATAAATATTGGTAAATATTCAGAATGTGGTCGCAGATTGTTAAAGAGACATGAAAAAACTT  
 ATCAGTGTAGCCATTAGTAACATGGAAGCTTCTCCACCCTTGCCAAATGCCTTTATGAACTTAATTTT  
 ACAGTTACAGAGTAAGGAACAAGAAAAAGACTCAGAAATGCTGCAGTGA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_152641 unedited  
 GCGAATTCGGCAGCAGAAAAACCTCTTTGAAAAATAATGGCAAACCGACGGGAAGG  
 CGCCTCCGGACGAGCGGAGAAAGGGACTCGCTTTCCTGGACGAGCTGCGGCAGTTCACC  
 ACAGCAGAGGGTTCGCTTTTAAAAAATCCCTGCGGTGGTGGGAAGGAGCTGGATCTTC  
 ACGGTCTCTACACCAGAGTCACTACTTTAGCGGATTCGCGAAGGTTTCTGAGAAGAATC  
 AGTGGGGAGAAATGTTGAAGAGTTCAACTTTCCAGAAGTTGTTCTAACGCTGCCTTTG  
 CTTTAAACAGTATTACTTGCCTTACCTAGAAAAGTACGAGAAAGTTCATCATTTTGGGG  
 AGGATGATGAGGTACCACCAGGCAATCCAAAGCCACAGCTTCTATTGGTGCAATTC  
 CATCTTCTACAATTACCAGCAACACAGTGTGTCGGATTATCTGCGTCANAGTTATGGGC  
 TGCCATGGACTTTAATTCGCCAAATGATTATAATAAATTGGTGCTTTCCTGTTATCTG  
 GACTCCCAAATGAAGTGGACTTTGCTATTAACGTATGCACTCTCTATCAAATGAAAGCA  
 AGCACGTCATGCAACTTGAAAAAGATCCTAAAATCATCACTTTACTACTTGCTTATGCCG  
 GGGTGTGACGACACTTTAGGATCCTTTTCCACTGTATTGGAGAAGAATGAAAGAGAG  
 ACTGATAGAGACTTCGTTAAGTTNTGAAAGACATCGTTGA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_152641

**Insert Size:**

4700 bp

**OTI Disclaimer:**

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:**

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\\_152641.2](#), [NP\\_689854.2](#)

RefSeq Size: 8466 bp

RefSeq ORF: 5508 bp

Locus ID: 196528

UniProt ID: [Q68CP9](#)

Cytogenetics: 12q12

Protein Families: Transcription Factors

**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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.