

Product datasheet for **SC308639**

ARID5A (NM_212481) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARID5A (NM_212481) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARID5A
Synonyms:	MRF-1; MRF1; RP11-363D14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC308639 representing NM_212481
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGCCCCTGTCAAAGGGAACAGGAAGCAGTCCACGGAGGGTGACGCCCTAGACCCACCTGCATCCC
 CCAAACCTGCTGGCAAGCAGAACGGAATCCAGAACCCCATCTCGCTGGAGGACTCCCCGAGGCAGGCGG
 GGAGCGGAGGAGGAGCAGGAGCGGGAGGAGGAGCAGGCCTTCTGGTACGCCTCTACAAGTTCATGAAG
 GAGCGACACAGCCCATCGAGAGGGTGCCCATCTCGGCTTCAAGCAGATTAACCTGTGGAAGATCTACA
 AAGCAGTGGAGAAGCTGGGGCCATGAGCTGGTGACCGGGCGCCGCTCTGGAAGAACGTGTACGACGA
 GCTGGGGGCGAGCCAGGCAGCACCAGCGCGGCCACGTGCACGCGCCGCACTACGAGAGGCTGGTCTG
 CCATACGTGCGGCACCTGAAGGGGGAGGATGACAAGCCGCTGCCACCTCCAAGCCAGGAAACAGTACA
 AGATGGCTAAGGAGAACAGGGGGATGATGGGGCCACCGAGAGGCCGAAGAAGGCCAAGGAGGAGCGGGC
 CATGGACCAGATGATGCCAGGAAAGACCAAGCAGATGCTGCTGACCCAGCACCCTTCCAGCCAGGAG
 CCCCCAGGAACAGCACAGAACAGCAGGGCCTGGCCTCTGGGTCTTCTGTGTCCTTTGTGGGTGCCAGCG
 GCTGTCTGAGGCCTACAAGCGGCTCCTATCCAGCTTCTACTGCAAGGGGACACACGGCATCATGTACC
 ACTGGCCAAAAAGAAGCTCCTGGCCAGGTGAGCAAGGTGGAGGCCTTGCAGTGCCAGGAGGAGGGCTGC
 CGCCATGGGGCAGAGCCCGAGGCGTCCCGAGCTGTTACCTCCCAGAGAGTCCCCAGAGCCCAAAGGGC
 TGACTGAGAACTCCAGGCACCGGCTGACCCCTCAGGAGGGATTGCAGGCCCCAGGTGGCAGCCTCAGAGA
 GGAGGCGCAGGCAGGCCCTGCCCGCAGCCCCATCTTCAAGGGCTGCTTCTACACCCACCCACCGAG
 GTGCTGAAGCCTGTCAGCCAGCACCAGGGACTTCTTCTAGACTTAAAGATGGGGTGCATTGGGGC
 CTCCTGGCAAAGAGGGGCTGTCAGTGAAGAGCCCCAGCTGGTGTGGGGCGGAGACGCTAACCGCCCTTC
 TCGGTTCCATAAAGGTGGCTCCAGAAAGGCATCCTCTACCCCAAGCCAAAGCCTGCTGGGTGTCCCCC
 ATGGCCAAGGTCCAGCCGAGAGCCCCAGCTCCCGCCACCTTCCCCAGTAGCCAGGCCTGGGCAGCA
 AGCGCAGCCTGGAGGAAGAGGGTGTGCCACAGTGGGAAGAGACTGCGGGCCGTGTCTCCCTTTCTTAA
 GGAGGCGGATGCCAAGAAGTGTGGGGCCAAACCTGCAGGGTCCGGCCTGGTCTCCTGCCTTCTGGGCCA
 GCCCTGGGGCCTGTGCCCCAGAGGCCTACAGGGGCACCATGCTGCACTGCCCGTGAACCTCACTGGCA
 CCCCAGGGCCCTTGAAGGGCCAGGCTGCACTCCCTTTCAGCCCCCTGGTCATCCCGGCTTCCCGGCCA
 CTTCTGGCCACCGCAGGCCCTCGCCATGGCCGCTGGCCTGATGCACTTCCCCCAACGTCCTTCGAC
 AGTGCCCTCCGCCACAGACTTTGCCCGCCTCATCTGCCTGGCAGCACCACCAGTCACAACCTATGCAG
 CGCCCCACTTCTCCACCTCAACACCAAGCTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Please inquire

ACCN: NM_212481

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 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](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_212481.1](#), [NP_997646.1](#)

RefSeq Size: 2223 bp

RefSeq ORF: 1785 bp

Locus ID: 10865

UniProt ID: [Q03989](#)

Cytogenetics: 2q11.2

Gene Summary: Members of the ARID protein family, including ARID5A, have diverse functions but all appear to play important roles in development, tissue-specific gene expression, and regulation of cell growth (Patsialou et al., 2005 [PubMed 15640446]).[supplied by OMIM, Mar 2008]
 Transcript Variant: This variant (3) uses an alternate in-frame splice junction compared to variant 1. The resulting isoform (c) has the same N- and C-termini but is shorter compared to isoform a.