

## Product datasheet for **SC214120**

### ARID1A (NM\_139135) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	ARID1A (NM_139135) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ARID1A
Synonyms:	B120; BAF250; BAF250a; BM029; C1orf4; CSS2; ELD; hELD; hOSA1; MRD14; OSA1; P270; SMARCF1
ACCN:	NM_139135
Insert Size:	1378 bp



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**Insert Sequence:** >SC214120 3'UTR clone of NM\_139135  
The sequence shown below is from the reference sequence of NM\_139135. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GATGTACTGTTTTGATTGGCCAGTCATGACAGCCGTGGGACACCTCCCCCCCCGTGTGTGTGTGCGT
GTGTGGAGAAGCTAGAACTGACTGTTGCCCTTTATTTATGCAAAACACCTCAGAATCCAGTTTACCC
TGTGCTGTCCAGCTTCTCCCTTGGGAAAAAGTCTCTCCTGTTTCTCTCCTCCTCCACCTCCCCTCC
CTCCATCACCTCACGCCTTTCTGTTCTTGTCTCACCTTACTCCCCTCAGGACCCTACCCACCCTCT
TTGAAAAGACAAAGCTCTGCCTACATAGAAGACTTTTTTTATTTAAACAAAGTTACTGTTGTTACAG
TGAGTTTGGGAAAAAAAATAAAAATAAAAATGGCTTTCCAGTCCTTGCATCAACGGGATGCCACATTT
CATAACTGTTTTAATGGTAAAAAAAAAAAAAAAAATAAAAAAAAAATCTGAAGGACAAAAAAGGT
GACTGCTGAAGTGTGTGGTTTATTGTTGACATTCACAATCTTGCAGGAGCCAAGAAGTTCGCAGTT
GTGAACAGACCCTGTTCACTGGAGAGGCCGTGTGCAGTAGAGTGTAGACCTTTTCACTGTACTGTACTGTA
CACCTGATACTGTAACATACTGTAATAATAATGTCTCACATGGAACAGAAAACGCTGGGTGAGCAGC
AAGCTGTAGTTTTAAAAATGTTTTAGTTAAACGTTGAGGAGAAAAAAAAGGCTTTTCCCCCAA
AGTATCATGTGTGAACCTACAACACCCTGACCTTTTCTCCTCCTTGATTGTATGAATAACCCTGAG
ATCACCTTAGAACTGGTTTTAACCTTAGCTGCAGCGGCTACGCTGCCACGTGTGTATATATGAC
GTTGTACATTGCACATACCCTGGATCCCACAGTTTGGTCTCCTCCCAGCTACCCCTTATAGTATG
ACGAGTTAACAAGTTGGTGACCTGCACAAAGCGAGACACAGCTATTTAATCTCTGCCAGATATCGCCC
CTCTTGGTGCGATGCTGTACAGTCTCTGTA AAAAGTCCTTGTCTCAGCAGCCAATCAACTTAG
TTTATTTTTTCTGGGTTTTTGTGTTTTGTTTTGTTTTCTTTCTAATCGAGGTGTGAAAAAGTCTAGGTT
CAGTTGAAGTTCTGATGAAGAAACACAATTGAGATTTTTTCAGTGATAAAAATCTGCATATTTGATTTT
AACAAATGTAGCTAAAAGTTGATGTAATTCCTCCTTTTTTCTTTTTTGGCTTAATGAATATCATTTA
TTCAGTATGAAATCTTTATACTATATGTTCCACGTGTTAAGAATAAATGTACATTAATCTTGTTAA
ACGCGTAAAGCGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_139135.4](#)

**Summary:**

This gene encodes a member of the SWI/SNF family, whose members have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI, which is required for transcriptional activation of genes normally repressed by chromatin. It possesses at least two conserved domains that could be important for its function. First, it has a DNA-binding domain that can specifically bind an AT-rich DNA sequence known to be recognized by a SNF/SWI complex at the beta-globin locus. Second, the C-terminus of the protein can stimulate glucocorticoid receptor-dependent transcriptional activation. It is thought that the protein encoded by this gene confers specificity to the SNF/SWI complex and may recruit the complex to its targets through either protein-DNA or protein-protein interactions. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Locus ID:**

8289

**MW:**

53.4