

Product datasheet for **SC303607**

DRIL1 (ARID3A) (NM_005224) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DRIL1 (ARID3A) (NM_005224) Human Untagged Clone
Tag:	Tag Free
Symbol:	DRIL1
Synonyms:	BRIGHT; DRIL1; DRIL3; E2FBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC303607 representing NM_005224.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAAACTACAGGCCGTGATGGAGACGCTGTTGCAGCGGCAGCAGCGGGCGGCCAGGAGCTGGAGGCC
CGGCAGCAGCTGCCCCCGATCCCCTGCTGCACCCCCGGCCGGGCTGCCCCGACGAGGAC
AGAGAGCCCGAGAGTGCCCGGATGCAGCGGGCTCAGATGGCCGCACTGGCAGCCATGCGGGCTGCAGCT
GCGGGCTGGGACACCCAGCCAGCCCGCGGGCTCTGAGGATGGGCCCCAGGCTCGGAGGAGGAGGAC
GCGGCCGGGAGGGGACACCGGGCTCACCGGGCGAGGCAGAGAAGGGCCAGGAGAGGAGCACTTTGAG
GACATGGCTCCGACGAGGACATGAAGCCAAATGGGAGGAGGAGGATGGAGGAAGACCTCGGGGAG
GATGAGGAGGAGGAGGAGGATTACGAGGATGAGGAGGAGGAGGACGAGGAGGGCTGGGCCCC
CCAGGCCCTGCCAGTTGGCACCACGGCACTGTTCCCCGAAAGGCCACCCAGGCCTCCGC
GGCGATGGCGTCCAGGGTGTGGGGGCCAGGAGCGGGCGGGCTGGCCCTGCCACCCGGAGGG
GCCGCCACGTAGCCCCGAGCTGCAGCCGCTGACCACGGCGACTGGACTTACGAGGAGCAGTTTAA
GAGCTCTACGAACTCGACGGGGACCCAAAGAGGAAGGAATTCCTGGATGACTTGTTCAGCTTCATGCAG
AAGCGAGGGACACCTGTGAACCGCATCCCATCATGGCCAAACAGGTCCTTGACCTGTTTCATGCTGTAC
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TACCCCTACGAGTGTGAGAAGCGGGGCTCAGTAACCCCAATGAGCTCCAGGCAGCCATAGACAGCAAC
CGACGGGAGGGCGGGCCAGAGCTTTGGTGGCTCCCTTTTGCCTACTCGCCAGCGGGGCACACGGC
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GCTGTGAACCTGACGGGCACCAACGGCAGCAACAGCATCAGCATGTCGGTGGAGATCAACGGCATCATG
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GGCGGGCGGCAGCAGCAGCAACGCAGGCGGGGGAGGAAACACCGGAACCAGCGGGCGCCAGGCT
GGGCCAGCGGGGCTGTCCACACCCTCCACATCTACCTCAAATAACTCGTTGCCTTAA
ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_005224

Insert Size: 1782 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_005224.2](#)

RefSeq Size: 2823 bp

RefSeq ORF: 1782 bp

Locus ID: 1820

UniProt ID: [Q99856](#)

Cytogenetics: 19p13.3

Protein Families: Transcription Factors

MW: 62.9 kDa

Gene Summary: This gene encodes a member of the ARID (AT-rich interaction domain) family of DNA binding proteins. It was found by homology to the Drosophila dead ringer gene, which is important for normal embryogenesis. Other ARID family members have roles in embryonic patterning, cell lineage gene regulation, cell cycle control, transcriptional regulation, and possibly in chromatin structure modification. [provided by RefSeq, Jul 2008]