

Product datasheet for **RC209254**

DRIL1 (ARID3A) (NM_005224) Human Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RC209254 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAACTACAGGCCGTGATGGAGACGCTGTTGCAGCGGCAGCAGCGGGCGGCCAGGAGCTGGAGGCC
 GGCAGCAGCTGCCCCCGATCCCCCTGCTGCACCCACGCGCCGGGCCGGCTGCCCCGACGAGGACAG
 AGAGCCCGAAAAGTGCCCGGATGCAGCGGCTCAGATGGCCGCACTGGCAGCCATGCGGGCTGCAGCTGCG
 GGCCTGGGACACCCGGCCAGCCCGCGGCTCTGAGGATGGGCCCCAGGCTCGGAGGAGGAGGACGCGG
 CCCGGGAGGGACACCGGCTCACCCGGCGAGGCAGAGAAGGGCCAGGAGAGGAGCACTTTGAGGACAT
 GGCCTCCGACGAGGACATGAAGCCAAATGGGAGGAGGAGGATGGAGGAAGACCTCGGGGAGGATGAG
 GAGGAGGAGGAGGATTACGAGGATGAGGAGGAGGAGGAGGACGAGGAGGGGCTGGGCCCCAGGCC
 CTGCCAGCTTGGGACACCGCACTGTTCCCCGAAAGGCCAGCCACCCAGGCCTTCCGCGCGATGG
 CGTTCCAGGGTCTGGGGGGCCAGGAGCGGCCGGGGCTGGCCCTGCCACCCGGAGGGGCCGCCAC
 GTAGCCCGCAGCTGCAGCCGCTGACCACGGCGACTGGACTTACGAGGAGCAGTTTAAAGAGCTTACG
 AACTCGACGGGGACCCAAAGAGGAAGGAATTCCTGGATGACTTGTTCAGCTTCATGCAGAAGCGAGGGAC
 ACCTGTGAACCGCATCCCCATCATGGCCAAACAGGTCCTTGACCTGTTTACGTGTACGTGCTGGTGACG
 GAGAAGGGCGGCCTCGTGGAGGTCATCAACAAGAAGCTGTGGCGTGAGATACCAAGGGCCTCAACCTGC
 CCACGTCCATCACCAGTGCAGCCTTACCCTGCGGACCAATACATGGAGTACCTGTACCCTACGAGTG
 TGAGAAGCGGGCCCTCAGTAACCCCAATGAGCTCCAGGCAGCCATAGACAGCAACCGACGGGAGGGCCG
 CGCCAGAGCTTTGGTGGCTCCCTCTTGCCTACTCGCCAGGCGGGGCACACGGCATGCTCTCCTCACCA
 AGCTACCGTGTCTCCCTGGCCTGGCCGAGCAAGCAACGCGCAGCTCCATACCCCGCCCTTAAGT
 CAAGAAAAGAGGAGGACTCAGCCATCCCCATCACAGTCCCTGGCCGCTGCCTGTGTCCCTGGCGGGCCAC
 CCTGTGGTGGCAGCCAGGCAGCAGCTGTGCAAGCAGCAGCCGCCAAGCAGCTGTGGCTGCACAGGCAG
 CTGCCCTGGAACAGTGCGGGAGAAGCTGGAGTCTGCGGAGCCTCCGGAGAAGAAGATGGCCCTGGTGGC
 CGATGAGCAGCAACGGCTGATGCAACGTGCACTCCAGCAGAATTCTGGCCATGGCGGCCAGCTGCC
 ATGAGCATTGGATCAACAGCCAAGCCTCCGAAAGCCGCCAGGACTCTGCTGTGAACCTGACGGGCACCA
 ACGGCAGCAACAGCATCAGCATGTCGGTGGAGATCAACGGCATCATGTACACAGGAGTTCTGTTTGTCTA
 GCCCGCGCCCCACGCCAACCTCTGCTCCCAACAAGGAGGCGGGCGGGCGGCAGCAGCAGCAGCAAC
 GCAGGCGCGGGGAGGAAACACCGGAACAGCGCGGCCAGGCTGGGCCAGCGGGCTGTCCACACCT
 CCACATCTACCTCAAATAACTCGTTGCCT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC209254 protein sequence
 Red=Cloning site Green=Tags(s)

MKLQAVMETLLQRQQRARQELEARQQLPPDPPAAPHGRARAAPDEDREPESARMQRAQMAALAAMRAAAA
 GLGHPASPGGSEDPGPGSEEEEDAAREGTPGSPGRGREGPGEEHFEDMASDEDMKPKWEEEEEEMEEDLGEDE
 EEEEEDEDEEEDEEGLGPPGPASLGTALFPRKAQPPQAFRGDGVPRVLLGGQERPGPGPAHPGGAAH
 VAPQLQPPDHGDWTYEEQFKQLYELDGDPKRKEFLDDLFSFMQKRGTPVNRIPIMAKQVLDL FML YVLVT
 EKGGLVEVINKKLWREITKGLNLPTSITSAFTLRTQYMEYLYPYECEKRLSNPNELQAAIDSNRREGR
 RQSFGGSLFAYSPGGAHGM LSSPKLPVSSLGLAASTNGSSITPAPKIKKEEDSAIPITVPGRLPVSLAGH
 PVVAAQAAAQAAAQAAAQAAAQAAAQLEQLREKLESAEPPEKMMALVADEQQRLMQRALQQNFLAMAAQLP
 MSIRINSQASESRQDSAVNLGTNGSNSISMSVEINGIMYTGVLFAQPPAPTPTSAPNKGGGGGSSSSN
 AGGRGGNTGTSGGQAGPAGLSTPSTSTSNNSLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6512_e12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005224

ORF Size: 1779 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_005224.3](#)

RefSeq Size: 2823 bp

RefSeq ORF: 1782 bp

Locus ID: 1820

UniProt ID: [Q99856](#)

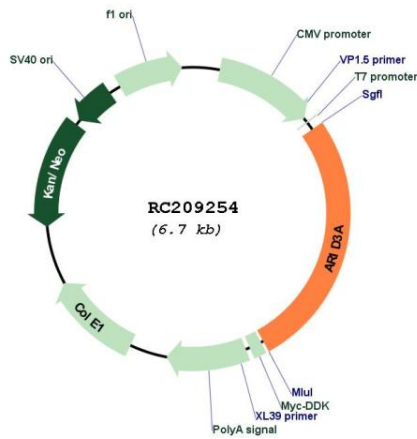
Cytogenetics: 19p13.3

Protein Families: Transcription Factors

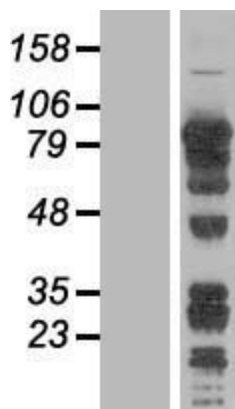
MW: 63 kDa

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]

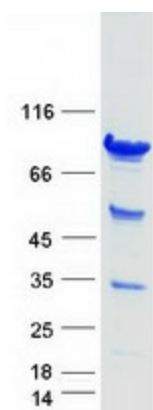
Product images:



Circular map for RC209254



Western blot validation of overexpression lysate (Cat# [LY417431]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209254 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ARID3A protein (Cat# [TP309254]). The protein was produced from HEK293T cells transfected with ARID3A cDNA clone (Cat# RC209254) using MegaTran 2.0 (Cat# [TT210002]).