

Product datasheet for **RG209254**

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:	TurboGFP
Symbol:	DRIL1
Synonyms:	BRIGHT; DRIL1; DRIL3; E2FBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG209254 representing NM_005224
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAACTACAGGCCGTGATGGAGACGCTGTTGCAGCGGCAGCAGCGGGCGGCCAGGAGCTGGAGGCC
 GGCAGCAGCTGCCCCCGATCCCCCTGCTGCACCCACGCGCCGGGCCGGGCTGCCCCGACGAGGACAG
 AGAGCCCGAAAGTGCCCGGATGCAGCGGCTCAGATGGCCGCACTGGCAGCCATGCGGGCTGCAGCTGCG
 GGCCTGGGACACCCGCCAGCCCGCGGCTCTGAGGATGGGCCCCAGGCTCGGAGGAGGAGGACGCGG
 CCCGGGAGGGACACCGGCTCACCCGGCGAGGCAGAGAAGGGCCAGGAGAGGAGCACTTTGAGGACAT
 GGCCTCCGACGAGGACATGAAGCCAAATGGGAGGAGGAGGATGGAGGAAGACCTCGGGGAGGATGAG
 GAGGAGGAGGAGGATTACGAGGATGAGGAGGAGGAGGAGGACGAGGAGGGGCTGGGCCCCAGGCC
 CTGCCAGCTTGGGACACCGCACTGTTCCCCGAAAGGCCAGCCACCCAGGCCTTCCGCGCGATGG
 CGTTCCAGGGTCTGGGGGCCAGGAGCGGCCGGGGCTGGCCCTGCCACCCCGAGGGGCCGCCAC
 GTAGCCCGCAGCTGCAGCCGCTGACCACGGCACTGGACTTACGAGGAGCAGTTAAGCAGCTCTACG
 AACTCGACGGGGACCCAAAGAGGAAGGAATTCCTGGATGACTTGTTCAGCTTCATGCAGAAGCGAGGGAC
 ACCTGTGAACCGCATCCCCATCATGGCCAAACAGGTCCTTGACCTGTTTACGTGTACGTGCTGGTACG
 GAGAAGGGCGGCCTCGTGGAGGTCATCAACAAGAAGCTGTGGCGTGAGATACCAAGGGCCTCAACCTGC
 CCACGTCCATCACCAGTGCAGCCTTACCCTGCGGACCAATACATGGAGTACCTGTACCCTACGAGTG
 TGAGAAGCGGGCCTCAGTAACCCCAATGAGCTCCAGGCAGCCATAGACAGCAACCGACGGGAGGGCCG
 CGCCAGAGCTTTGGTGGCTCCCTCTTGCCTACTCGCCAGGCGGGGCACACGGCATGCTCTCCTCACCA
 AGCTACCCTGTCTCCCTGGCCTGGCCGCAAGCACCAACGGCAGCTCCATACCCCGCCCTAAGAT
 CAAGAAAAGAGGAGGACTCAGCCATCCCCATCACAGTCCCTGGCCGCTGCCTGTGTCCCTGGCGGGCCAC
 CCTGTGGTGGCAGCCAGGCAGCAGCTGTGCAAGCAGCAGCCGCCCAAGCAGCTGTGGCTGCACAGGCAG
 CTGCCCTGGAACAGCTGCGGGAGAAGCTGGAGTCTGCGGAGCCTCCGGAGAAGAAGATGGCCCTGGTGGC
 CGATGAGCAGCAACGGCTGATGCAACGTGCACTCCAGCAGAATTCTGGCCATGGCGGCCAGCTGCC
 ATGAGCATTGGATCAACAGCCAAGCCTCCGAAAGCCGCCAGGACTCTGCTGTGAACCTGACGGGCACCA
 ACGGCAGCAACAGCATCAGCATGTCGGTGGAGTCAACGGCATCATGTACACAGGAGTTCTGTTTGTCTA
 GCCCGCGCCCCACGCCAACCTCTGCTCCAACAAGGAGGCGGGCGGGCGGCAGCAGCAGCAGCAAC
 GCAGGCGCGGGGAGGAAACACCGGAACAGCGCGGCCAGGCTGGGCCAGCGGGCTGTCCACACCT
 CCACATCTACCTCAAATAACTCGTTGCCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG209254 representing NM_005224
 Red=Cloning site Green=Tags(s)

MKLQAVMETLLQRQQRARQELEARQQLPPDPPAAPPHGRARAAPDEDREPESARMQRAQMAALAAMRAAAA
 GLGHPASPGGSEDGPPGSEEEEDAAREGTPGSPGRGREGPGEEHFEDMASDEDMKPKWEEEEEEMEEDLGEDE
 EEEEEYDEEEEEDEEGLGPPGPASLGTALFPRKAQPPQAFRGDGVPRVLLGGQERPGPAPHGGAAH
 VAPQLQPPDHGDWYEEQFKQLYELDGDPKRKEFLDDLF SFMQKRGTPVNRIPIMAKQVLDL FML YVLVT
 EKGGLEVEVINKKLWREITKGLNLPTSITSAFTLRTQYMEYLYPYECEKRLSNPNELQAAIDSNRREGR
 RQSFGGSLFAYSPPGAHGM LSSPKLPVSSLGLAASNSSITPAPKIKKEEDSAIPITVPGRLPVSLAGH
 PVVAAQAAAVQAAAQA AVAAQAAALEQLREKLESAEPPEKMMALVADEQQRLMQRALQQNFLAMAAQLP
 MSIRINSQASESRQDSAVNLTGTNGSNSISMSVEINGIMYTGVLFAQPPAPTPTSAPNKGGGGGSSSSN
 AGRRGNTGTSGGQAGPAGLSTPSTSTSNNSLP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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_005224.2](#), [NP_005215.1](#)

RefSeq Size: 2823 bp

RefSeq ORF: 1782 bp

Locus ID: 1820

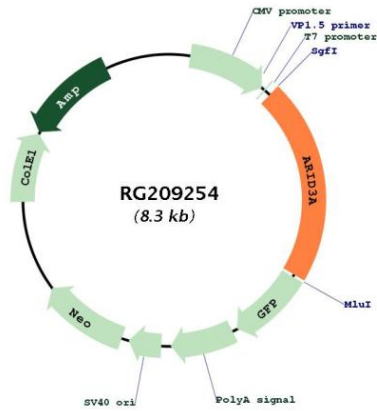
UniProt ID: [Q99856](#)

Cytogenetics: 19p13.3

Protein Families: Transcription Factors

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 RG209254