

Product datasheet for **MR230640**

Arid3a (NM_001288625) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arid3a (NM_001288625) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arid3a
Synonyms:	Bright; Dri1; Drill1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230640 representing NM_001288625
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGCTGCAGGCTGTGATGGAGACTCTCATTACAGAGCAGCAGCGTGCCCGCAGGAAGTGGAGGCTC
 GGCAGGCTCCACCACCCACCACCTGAGCCACTGGAGTCCGGGCACGGACCACCATGACAGATGAGGA
 CAGGGAGCCTGAGAATGCCCGGATGCATAGGACTCAGATGGCCGCACTGGCTGCCATGCGAGCTGCTGCT
 GCCGGCTTGGGACATCCGTCCTCTCCCGGGGGCTCTGAGGATGGGCTCCCATCTCTGGGGATGAAGACA
 CAGCCCGGAAGGGACTCTGAGTTCACCTGCCCTGCATGGAAGTGTCTGGAGGGAGCAGGACACGCTGA
 GGGAGATAGGCATTTGATGGACGTGGGCTCTGATGATGATGACACGAAGTCCAAGTGGGAAGAGCAAGAG
 CTGGAAGAACTGGGGAGGAGGAAGAGGAGGAGGAAGAGGAAGATGACTTTGAAGAAGAGGAGGAGGAAG
 AAGAAGGCCTGGCCCCCAGAGTCTGCCAGCCTGGGCACTGCAGGCCTGTTACCCGCAAGGCCCGCC
 CGCCAGGCTTTCCGTGGAGACGGTGGTCCAGGATGCTGAGTGGCCCTGAGCGTCTGGGACCTGGCCCA
 GCCACCCAGTCATATGGCATCCCAGATGCCACCACCGACCATGGGGACTGGACCTTTGAGGAGCAGT
 TCAAACAGCTCTATGAACTGGATGCGGACCCCAAGAGGAAAGAGTTCTGGATGACCTTTTCAGTTCAT
 GCAGAAGCGGGCACTCCAGTGAACCGGATCCCCATCATGGCGAAGCAGGTCTCGACCTGTTTATGTTG
 TATGTGCTGGTGACCGAGAAGGGCGGCCTGGTAGAGGTTATCAACAAGAAACTGTGGAGGGAGATACCA
 AGGGGCTCAACCTGCCTACCTCCATCACCAGTGTGCCTTCACTTCGGACACAGTACATGAAGTATCT
 TTACCCCTATGAGTGTGAGAGGGCAGGCCTGAGCAGCCCCAACGAGCTCCAGGCCCATAGACAGCAAT
 CGCAGGGAGGGCAGGCGCCAGAGCTTCGGTGGCTCACTCTTTCCTACTACCCAGTGGAGCTCCACAGCA
 TGCTGCCCTCACCAAGCTACCGGTGACTCCCCGGCCCTCGCTGCCAGCACCAATGGCAGTTCCATCAC
 CCAGCGCCCAAGATCAAGAAAGACTCGGCCATCCCATCACAGTCCCAGGCCCTACCTGTATCTTTG
 GCAGGCCACCCTGTTGTGCGAGCCAGGCTGCGGCGGTGCAAGCTGCGGCAGCCCAAGCAGCCGTTGCGG
 CCCAGGCAGCCGCTGGAGCAACTCCGGGAGAAGCTGGAATCCACAGAGCCTCCAGAAAAGAAGATGGC
 CCTAGTGGCCGATGAGCAACAGCGACTCATGCAGCGAGCTGTGCAGCAGAGCTTCTGGCCATGACAGCC
 CAGCTGCCATGAACATCCGCATCAACAGCCAAGCCTCTGAGAGCCGCCAGGACTCAGCCGTGAGTCTCA
 CCAGTGCCAACGGGAGCAACAGTATTAGCATGTCCGTGGAGATGAATGGTATTGTATACACAGGTGTGT
 GTTCGCTCAGCCACCACCTCTACAGCACCTCCGCCCCGGCAAAGGGGGCGTCAGCAGCATCGGTACC
 AACACCACCAGGGCAGCCGGACAGGAGCCAGTGGCAGCACTGTACAGCGCGGCCAGGTGGGGCTGCCGG
 GGGTGTCTACACCACCATGTCTTCTACCTCAAACAACCTCTTGCCT

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230640 representing NM_001288625
 Red=Cloning site Green=Tags(s)

MKLQAVMETLIQRQQRARQELEARQAPPPPPPEPTGVRARTTMTDEDREPENARMHRTQMAALAAMRAAA
 AGLGHPSSPGSEDPPIISGDEDTAREGLSSPALHGSVLEAGAGHAEGDRHLMVGSDDDDTKSKWEEQE
 LEELGEEEEEEEEEDDFEEEEEEEEGLPPEASLGTAGLFTRKAPPAQAFRGDGGPRMLSGPERLGPGP
 AHPSHMASQMPDPHDGDTFEEQFKQLYELDADPKRKEFLDDLFSFMQKRGTPVNRIPIMAKQVLDLFML
 YVLVTEKGGLEVEINKKLWREITKGLNLPSTISAAFTLRTQYMKYLYPYECERRGLSSPNELQAAIDSN
 RREGRRQSFGGSLFAYSPSGAHSMPLSPKLPVTPPLGLAASTNGSSITPAPKIKKDSAIPITVPGRPLVSL
 AGHPVVAQAQAAVQAAAAQAQAAALEQLREKLESTEPPEKMMALVADEQQRMLQRAVQQSFLAMTA
 QLPMNIRINSQASESRQDSAVSLTSANGSNSISMSVEMNGIVYTGVLFAQPPPTAPSAPGKGGVSSIGT
 NNTTGSRTGASGSTVSGGVQLPGVSTPTMSSTSNNSLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001288625

ORF Size: 1797 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_001288625.1](#), [NP_001275554.1](#)

RefSeq Size: 5207 bp

RefSeq ORF: 1806 bp

Locus ID: 13496

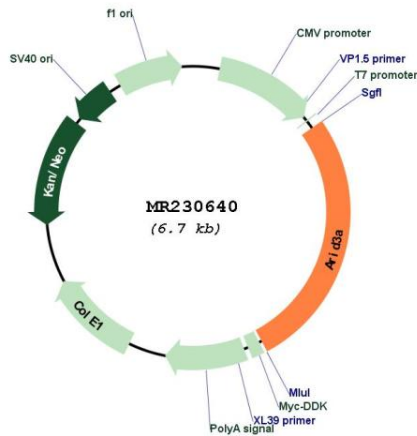
UniProt ID: [Q62431](#)

Cytogenetics: 10 C1

MW: 63.9 kDa

Gene Summary: Transcription factor involved in B-cell differentiation. Binds a VH promoter proximal site necessary for induced mu-heavy-chain transcription. Binds the minor groove of a restricted ATC sequence that is sufficient for nuclear matrix association. This sequence motif is present in matrix-associating regions (MARS) proximal to the promoter and flanking E mu. Activates E mu-driven transcription by binding these sites. May be involved in the control of cell cycle progression by the RB1/E2F1 pathway.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230640