

Product datasheet for **MC228420**

Arid3a (NM_001288626) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arid3a (NM_001288626) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arid3a
Synonyms:	Bright; Dri1; Drill1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228420 representing NM_001288626
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGCTGCAGGCTGTGATGGAGACTCTCATTACAGAGGCAGCAGCGTGCCCGGCAGGAAGCTGGAGGCTC
 GGCAGGCTCCACCACCCACCACCTGAGCCACTGGAGTCCGGGCACGGACCACCATGACAGATGAGGA
 CAGGGAGCCTGAGAATGCCCGGATGCATAGGACTCAGATGGCCGCACTGGCTGCCATGCGAGCTGCTGCT
 GCCGGCTTGGGACATCCGTCTCTCCCGGGGGCTCTGAGGATGGGCTCCCATCTCTGGGGATGAAGACA
 CAGCCCGGAAGGGACTCTGAGTTCACCTGCCCTGCATGGAAGTGTCTGGAGGGAGCAGGACACGCTGA
 GGGAGATAGGCATTTGATGGACGTGGGCTCTGATGATGATGACACGAAGTCCAAGTGGGAAGAGCAAGAG
 CTGGAAGAACTGGGGAGGAGGAAGAGGAGGAGGAAGAGGAAGATGACTTTGAAGAAGAGGAGGAGGAAG
 AAGAAGGCCTGGCCCCCAGAGTCTGCCAGCTGGGCACTGCAGGCTGTTACCCGCAAGGCCCGCC
 CGCCAGGCTTCCGTGGAGACGGTGGTCCAGGATGCTGAGTGGCCCTGAGCGTCTGGGACCTGGCCCA
 GCCACCCAGTCATATGGCATCCAGATGCCACCACCGACCATGGGGACTGGACCTTTGAGGAGCAGT
 TCAAACAGCTCTATGAACTGGATGCGGACCCCAAGAGGAAGAGTTCTGGATGACCTTTTCAGTTCAT
 GCAGAAGCGGGCACTCCAGTGAACCGGATCCCATCATGGCGAAGCAGGTCTCGACCTGTTTCATGTTG
 TATGTGCTGGTGACCGAGAAGGGCGGCCTGGTAGAGGTTATCAACAAGAACTGTGGAGGGAGATCACCA
 AGGGGCTCAACCTGCCTACCTCCATCACCAGTGTGCCTTCACTTCGGACACAGTACATGAAGTATCT
 TTACCCCTATGAGTGTGAGAGGCGAGGCTGAGCAGCCCCAACGAGCTCCAGGCCCATAGACAGCAAT
 CGCAGGGAGGGCAGGCGCCAGAGCTTCGGTGGCTCACTCTTGCCTACTACCCAGTGGAGCCACAGCA
 TGCTGCCCTCACCAAGCTACCGGTGACTCCCTGGGCTCGCTGCCAGCACCAATGGCAGTTCATCAC
 CCAGCGCCCAAGATCAAGAAAGACTCGGCCATCCCATCACAGTCCAGGCCGCTACCTGTATCTTTG
 GCAGGCCACCCTGTTGTGCGAGCCAGGCTGCGGCGGTGCAAGCTGCGGCAGCCCAAGCAGCCGTTGCGG
 CCCAGGCAGCCGCTGGAGCAACTCCGGGAGAAGCTGGAATCCACAGAGCCTCCAGAAAAGAAGATGGC
 CCTAGTGGCCGATGAGCAACAGCGACTCATGCAGCGAGCTGTGCAGCAGAGCTTCTGGCCATGACAGCC
 CAGCTGCCATGAACATCCGCATCAACAGCCAAGCCTCTGAGAGCCGCCAGGACTCAGCCGTGAGTCTCA
 CCAGTGCCAACGGGAGCAACAGTATTAGCATGTCCGTGGAGATGAATGGTATTGTATACACAGGTGTGT
 GTTCGCTCAGCCACCACCTCTACAGCACCTCCGCCCGCAAAGGGGGCGTCAGCAGCATCGGTACC
 AACACCACCAGGGCAGCCGGACAGGAGCCAGTGGCAGCACTGTACAGCGCGGCCAGGTGGGGCTGCCGG
 GGGTGTCTACACCACCATGTCTTCTACCTCAAACAACCTCTTGCCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001288626
- Insert Size:** 1800 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001288626.1](#), [NP_001275555.1](#)

RefSeq Size: 5355 bp

RefSeq ORF: 1800 bp

Locus ID: 13496

UniProt ID: [Q62431](#)

Cytogenetics: 10 C1

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]
Transcript Variant: This variant (3) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is 2 aa shorter compared to isoform a.