

## Product datasheet for **MC228429**

### **Arid3a (NM\_001288625) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Arid3a (NM_001288625) 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:** >MC228429 representing NM\_001288625  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGCTGCAGGCTGTGATGGAGACTCTCATTAGAGGCAGCAGCGTGCCCGCAGGAAGCTGGAGGCTC  
 GGCAGGCTCCACCACCCACCACCTGAGCCACTGGAGTCCGGGCACGGACCACCATGACAGATGAGGA  
 CAGGGAGCCTGAGAATGCCCGGATGCATAGGACTCAGATGGCCGCACTGGCTGCCATGCGAGCTGCTGCT  
 GCCGGCTTGGGACATCCGTCCTCTCCCGGGGGCTCTGAGGATGGGCTCCCATCTCTGGGGATGAAGACA  
 CAGCCCGGAAGGGACTCTGAGTTCACCTGCCCTGCATGGAAGTGTCTGGAGGGAGCAGGACACGCTGA  
 GGGAGATAGGCATTTGATGGACGTGGGCTCTGATGATGATGACACGAAGTCCAAGTGGGAAGAGCAAGAG  
 CTGGAAGAACTGGGGGAGGAGGAAGAGGAGGAGGAAGAGGAAGATGACTTTGAAGAAGAGGAGGAGGAAG  
 AAGAAGGCCTGGCCCCCAGAGTCTGCCAGCTGGGCACTGCAGGCCTGTTACCCGCAAGGCCCGCC  
 CGCCAGGCTTCCGTGGAGACGGTGGTCCAGGATGCTGAGTGGCCCTGAGCGTCTGGGACCTGGCCCA  
 GCCACCCAGTCATATGGCATCCAGATGCCACCACCGACCATGGGGACTGGACCTTTGAGGAGCAGT  
 TCAAACAGCTCTATGAACTGGATGCGGACCCCAAGAGGAAGAGTTCTGGATGACCTTTTCAGTTCAT  
 GCAGAAGCGGGCACTCCAGTGAACCGGATCCCATCATGGCGAAGCAGGTCTCGACCTGTTTCATGTTG  
 TATGTGCTGGTGACCGAGAAGGGCGGCCTGGTAGAGGTTATCAACAAGAACTGTGGAGGGAGATCACCA  
 AGGGGCTCAACCTGCCTACCTCCATCACCAGTGTGCCTTCACTTCCGACACAGTACATGAAGTATCT  
 TTACCCCTATGAGTGTGAGAGGGCAGGCCTGAGCAGCCCCAACGAGCTCCAGGCCCATAGACAGCAAT  
 CGCAGGGAGGGCAGGCGCCAGAGCTTCGGTGGCTCACTCTTGCCTACTACCCAGTGGAGCCACAGCA  
 TGCTGCCCTCACCAAGCTACCGGTGACTCCCTGGGCTCGTCCAGCACCAATGGCAGTTCATCAC  
 CCAGCGCCCAAGATCAAGAAAGAGGAAGACTCGGCCATCCCATCACAGTCCCAGGCCGCTACCTGTA  
 TCTTTGGCAGGCCACCCTGTTGTGCGCAGCCAGGCTGCGCGGTGCAAGCTGCGGCAGCCCAAGCAGCCG  
 TTGCGGCCAGGCAGCCGCCCTGGAGCAACTCCGGGAGAAGCTGGAATCCACAGAGCCTCCAGAAAAGAA  
 GATGGCCCTAGTGGCCGATGAGCAACAGCGACTCATGCAGCGAGCTGTGCAGCAGAGCTTCTGGCCATG  
 ACAGCCCAGTGGCCATGAACATCCGCATCAACAGCCAAGCCTCTGAGAGCCGCCAGGACTCAGCCGTGA  
 GTCTCACCAGTGCCAACGGGAGCAACAGTATTAGCATGTCGGTGGAGATGAATGGTATTGTATACACAGG  
 TGTGTTGTTGCTCAGCCACCACCTCTACAGCACCTTCCGCCCCGGCAAAGGGGGCGTCAGCAGCATC  
 GGTACCAACACCACCGGGCAGCCGACAGGAGCCAGTGGCAGCACTGTGAGCGCGGCCAGGTGGGGC  
 TGCCGGGGGTGTCTACACCCACCATGTCTTCTACCTCAAACAACCTCTTGCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001288625
- Insert Size:** 1806 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\\_001288625.1](#), [NP\\_001275554.1](#)

**RefSeq Size:** 5207 bp

**RefSeq ORF:** 1806 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 (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a).