

## Product datasheet for **RR207149**

### **Arid3b (NM\_001109001) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Arid3b (NM_001109001) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arid3b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR207149 representing NM\_001109001  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGCCTCTGCAGCAGCAGCAAAAGCAGCCACAGCAGACTCCGCTACAGATGGATGCCAGAGAGAAGC  
 AGGGATCACACACAAGAGAAGCACAGTTCTGTATGCCCCAAAAGTAGGCACGCAGCCTGCTCTCCTTTC  
 CGTCACACCGGGGAGACCTTCTGGTAGTCCCGTTCTGGGTCCCTTAGGCAGAGTTCTACCAGCCACACCG  
 GCGGCTCGAGTGTCTGAGCAGAGCAACGTGAACCTGAGCCTGAGGAAGAGGAAGGAGGTCTGGAAGACG  
 AAGATGGAGATGATGATGTTACAGAGGTGGCTGAAAAAGAGGCCAGGCTGCTTCCAAATATTTCCACAT  
 GCAAAAAGCAACTCGCCAAGAACCAGAGCAGCACCCATGTCCAGTCTGCTTCCAGCACCTGGGCTCCCA  
 CCACAGGGACAACTAAGAAGACCATACCAAAGATGCTTCCAAGGCCACCTTCTGTGCCACGGCTG  
 GGCAGCCGAGCTGGAATCTGGATGAGCAGCTTAAGCAGAATGGTCTTTGGCCTGGAGTGACGATGCTGA  
 TGGAGGCCGGGAAGAGAGATCTCTCGAGATTTGCCAAGCTGTATGAACTGGACGGCGATCCTGAAAGG  
 AAAGAATTTCTGGATGACCTCTTCATCTTCATGCAGAAGAGAGGCCACCCCAATCAACCGGATTCCTCAT  
 TGGCCAAGCAGATCCTGGACCTGTATATGCTATATAAACTGGTCACAGAGAAAGGCGGCTTGGTGGAGAT  
 CATCAACAAGAAAATCTGGAGGGAGATCACAAAGGCCTGAACCTGCCACGTCCTACCCAGCGCTGCC  
 TTCACCCTGAGGACCCAGTACATGAAGTATCTATATGCCATGAGTGTGAGAAGAAAGCGTTGAGCTCCC  
 CAGCCGAACTACAGGCTGCCATCGATGGCAACCGTAGGGAAGGTGCGAGGCCAGCTACAGCTCCTCCCT  
 CTTTGGTTATTCTCTGCTGTGCTGCCGCCCGCTGCCGCCCGCGCTGCTAGTGTGCTCTGCTGCT  
 GGGGCCCTGCCCTTCTCTCGCCCCAAGATCCGCTTCTCCATCCTTGGGCTTGGCTCCAGCAGTGGCA  
 CCAATACCAGTAGCCCTCGGATACCCCCAGCATCTACTCTCAGGAAAGGTGATGGAGTCCCAGTCCCTGT  
 GCCAAATCGCCTGGCTGTGTGAGGACCTTTGGCAGGCCAGCAGGCTGGCAACCGGACTGGCACACTGGAG  
 CAGCTACGGGAGCGTCTGGAATCAGGGGAGCCCCCTGAGAAGAAGGCATCGAGGTTGTGAGAGGAGAGC  
 AGCGCCTGGTGCAGCAGGCCTTTCAGCGCAACCTTTCAGCATGGCGCGACAGCTCCCCATGAAGATCAG  
 AATCAATGGCAGGGAAGACAGAGCAGAGACTTCAGCTGCAGCACTGAACCTGACCACAAGCAACATTGGG  
 AGCATCAATATGTCTGTGGATATTGATGGCATCACCTATACAGGTGTGCTTTTGGCCAGAAACCAGTGG  
 TCCACCTATTGCGGGCTCTGCTCCCCAGAGCATTGGCAGCAGCGCCAGCAGCAGCAGCAGCAGCAGTAG  
 CAGCAGCAGCAGCTCTACTGCTACCAAGTCTACCTCATCCCGGGGTACCCCCAGTGCAGAGCCCTCC  
 ACCAGCTGGTCCCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR207149 representing NM\_001109001  
 Red=Cloning site Green=Tags(s)

MEPLQQQKQPQQTPLQMDAREKQGSHTREAQFLYAPKLGTPALLSVTPGRPSGSPVLGPLGRVLPATP  
 AARVSEQSNVNSEPEEEEEGGLEDEDGDDDVTEVAEKEAQAASKYFHMQKATRQEPRAAPMSSLLPAPGLP  
 PQGQTKEDHTKDASKAPPSVPTAGQPSWNLDEQLKQNGALAWSDDADGGRGREISRDFAKLYELDGDPER  
 KEFLDDLFIQMQRGTPINRIPIMAKQILDLYMLYKLVTEKGLVEIINKKIWREITKGLNLPSTITSAA  
 FTLRTQYMKLYAYECEKKALSSPAELQAAIDGNRRREGRRPSYSSSLFGYSPAAAAAAAAAAAAAASAASA  
 GAPALLSPPKIRFSILGLGSSSGTNTSSPRIPPASTLRKGDGVPVVPNRLAVSGPLAGQQAGNRTGTLE  
 QLRERLESGEPEKKASRLSEEEQLVQQAFQRNLFSMARQLPMKIRINGREDRAETSAAALNLTTSNIG  
 SINMSVDIDGITYTGVLFQKPVVHLIAGSAPQSIGSSASSSSSSSSSSSSSHCSPSPTSSRGTPSAEPS  
 TSWSL

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



<b>ORF Size:</b>	1695 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001109001.1</a> , <a href="#">NP_001102471.1</a>
<b>RefSeq Size:</b>	3772 bp
<b>RefSeq ORF:</b>	1698 bp
<b>Locus ID:</b>	367092
<b>Cytogenetics:</b>	8q24
<b>MW:</b>	60.4 kDa