

Product datasheet for **RR200900**

Arid3a (NM_001108066) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arid3a (NM_001108066) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arid3a
Synonyms:	MGC189073
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR200900 representing NM_001108066
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCTGCAGGCAGTGATGGAGACTCTTATTACAGAGGCAACAGCGAGCCCGGCAGGAAGCTGGAGGCTC
 GACAGCCTCCACTACCCACCACCGGAGCCCGCTGGTGTCCAGGCTCGGACCACCATGACAGATGAGGA
 CAGGGAGCCTGAGAATGCCCGTATGCATAGGACGCAGATGGCTGCACTGGCTGCCATGCGGGCTGCTGCC
 GCCGGCTTGAGACATCCGTCCTCTCCCGGGGGCTCGGAGGACGAAGACACAGCCAGGGAGGGACTCTGA
 GTTCACCTGCCCTGCATGGAAGTGGCCAGGAGGGACCGGGACACACTGAGGGAGACGGCCATTTGATGGA
 CATGGGCTCCGATGATGACACGAAGCCCAAGTGGGAAGAACAAGAGCTGGAAGAAGCTGGGGGAAGAGGAA
 GAGGAGGAGGATGAAGATGACTTTGAGGAAGAAGAGGAGGATGAGGAGGAAGAAGCCTGGGCTCCAG
 AGTCTGCCAGCCTGGGCTCCGACGGCTGTTTACCCGCAAGGCCACCTACTCAGACCTCCGTGGAGA
 CGGTGGTCCAGAATGCTCAGTGGCCCTGAGCGCTGGGACCTGGCCCGCCACCCAGTCATGTGGCG
 TCCAGATGCCACCACCGACCATGGGGACTGGACATTTGAGGAGCAGTTCAAACAGCTCTATGAACTGG
 ACGCAGACCCCAAGAGGAAGAGTTCTGGACGACCTGTTTCAGCTTCATGCAAGAAGCGGGCACTCCGGT
 GAACCGGATCCCATCATGGCCAAGCAGGTCCTCGACCTGTTTCATGCTGTATGTGCTGGTACGAAAAAG
 GGCGGTCTGGTAGAGGTTATCAACAAGAAGCTGTGGAGGGAGATCACCAAGGGGCTCAACCTGCCACCT
 CCATCACCAGTGTGCTTACACTTCGGACACAGTACATGAAGTATCTTTACCCCTATGAGTGTGAGAG
 GCGAGGCTGAGCAGCCCAATGAGCTCCAGGCTGCCATAGACAGCAACCGCCGGGAGGGGAGCGGCCAG
 AGCTTCGGGGGCTCCCTCTTTGCTTACTACCCAGTGGAGCCACAGCATGCTGTCTCACCAAGCTCA
 CGGTGACTTCTTTGGGCTTGTGCCAGCACCAATGGCAGCTCTATACCCCAACACCAAGATCAAGAA
 AGAGGAAGACTCAGCCATCCCATCACAGTCCCAGGCCGCTACCCGTGTCTCTGGCAGGCCACCTGTCT
 GTAGCAGCCAGGCAGCGGCTGTGCAAGCCGACGAGCCAGGCTGCAGTTGCGGCCAGGCAGCGGCC
 TGGAACTCCGGGAGAAGCTGGAATCCACGGAGCCTCCGAAAAGAAGATGGCCTGGTTGCAGATGA
 GCAGCAGCTCATGCAGCGAGCCGTGCAGCAGAGCTTCTGGCCATGACAGCCAGCTGCCATGAAC
 ATCCGGATCAACAGCCAAGCCTCTGAGAGTCCAGGACCCAGCTGTAATCTCACCAGTCCAATGGCA
 GCAACAGTATTAGCATGTCGTTGAGATGAACGGTATTGTATACAGGGGTGCTGTTTCGCTCAGCCACC
 ACCTCCTACGCCACCTCCCGCTCCAGCAAAGGTGGTGTGAGCAGCATTGGTACCAACAACACCATGGGT
 AACCGGACAGGAGCCAGTGGCAGTGTGGCAGCAGCGCCAAGTGGGGCTGGCTGGGGTGTCTGCACCCA
 CCATGTCTTCTACCTCAAATAACTCCTTGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RR200900 representing NM_001108066
 Red=Cloning site Green=Tags(s)

MKLQAVMETLIQRQQRARQELEARQPPLPPPPEPAGVQARTTMTDEDREPENARMHRTQMAALAAMRAAA
 AGLRHPSSPGSEDEDTAQGGTLLSSPALHSGSQEGPGHTEGDGHLMDMGSDDDTKPKWEEQLEELGEEE
 EEEDEDDFEEDDEEEGLGLPESASLGSAGLFTRKAPPTQTFRGDGGPRMLSGPERLPGPAHPSHVA
 SQMPPPDHGDWTFEEQFKQLYELDADPKRKEFLDDLFSFMQKRGTPVNRIPIMAKQVLDLFMLYVLVTEK
 GGLVEVINKKLWREITKGLNLPTSITSAFTLRTQYMKYLYPYECERRGLSSPNELQAAIDSNRREGRRQ
 SFGGSLFAYSPSGAHSMLSSPKLPVTSGLAASTNGSSIPTPKIKKEEDSAIPITVPGRLPVSLAGHPV
 VAAQAAAVQAAAAQA AVAAQAAALEQLREKLESTEPPEKKMALVADEQQRLMQRVAVQSSFLAMTAQLPMN
 IRINSQASESRQDPVAVNLTSANGSNSISMSVEMNGIVYTGVLFAQPPPTPPPASSKGGVSSIGTNNMTG
 NRTGASGSAGSSGVLAGVSAPTMSSTSNNSLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

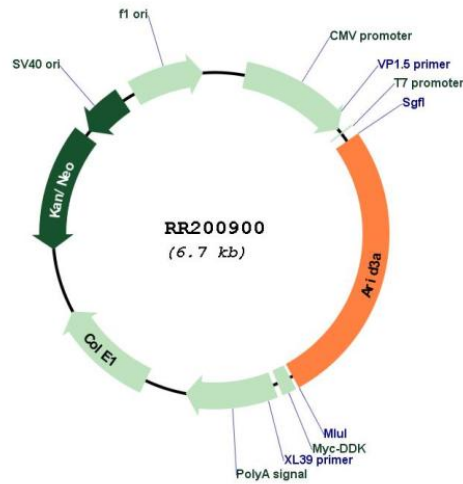
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001108066

ORF Size: 1782 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:	<ol style="list-style-type: none"> 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_001108066.2 , NP_001101536.2
RefSeq Size:	2387 bp
RefSeq ORF:	1785 bp
Locus ID:	314616
Cytogenetics:	7q11
MW:	63.6 kDa