

Product datasheet for **MR229594**

Arid3c (NM_001252622) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arid3c (NM_001252622) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arid3c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229594 representing NM_001252622 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCCCTGCAGAGGCAGCAGGCAGCAGGCTGGCCCAAGGGTGGGGCCCTTGGCCCTCCACGCT
TACCGCTTCCACAACCTCCTCTGCTTGGCGCCCGACCTACAGGCTCCTGAGGGGGCTATAGGGTGGT
TGGGGCTGAAGAAGAGGGGGTCTGAAGATGAGGAGGGAGAGACACCTTAGCAGAAGAGGAGACAGCT
GAGCAGAGCCATCCAGGAGCCGATGTCCCAACTCACCTTCCAGCCAGTCTCCTGGAATCCAACCACATG
AGTGGACCTACGAGGAACAGTTCAAGCAGCTGTATGAACTCGATGCGGACCCCAAGAGGAAGGAGTTTCT
GGATGACCTATTTAGCTTTCATGCAGAAGAGGGGTACGCCAGTGAACCGGGTACCCATCATGGCCAAACAG
GTGCTGGATCTGTATGCGTTGTTTCGCTTGGTGACAGCCAAGGGAGGCCTGGTGAAGTCATCAACCGAA
AAGTGTGGCGAGAAGTCACACGCGGCCTCAGTTTGGCCACCACCATCACCTCTGCCGCTTACAGCTCCG
TACACAGTACATGAAGTATTTGTACCCATACGAGTGCAGACACGGGCACTCAGTCCCCAGGGGAGCTT
CAGGCTGCCATAGACAGCAACAGGCGTGAGGGCCGCCAGGCTTACACCGGGTCCCCTCTTCAACT
TAGCAGGGCCACACCTCGGGCGCTCCTGGCCCCGCTCGAGTCATGGGCCCGCCCGACCGGACCC
GAACTGCCCGGTCCACCCAGGTTTCTGCTTCTGGTTTACCAGCGCACGCTTGCCTCAACTGAGCCCG
AGCCAGTAAAGAAAGAGGAGAGTGGAATCCCACCCCTCGTCTGGCGCTACCTATGGGCTTGGCCCTCGG
AAGCTACAAGGGAGAAGCTGGCACCAGGAAGAACCTCCGGAGAAGAGGGCTGTGCTAATGGGCCCCGTGGA
CTCACCTCGACTGGGGGACCCCCAGTTTCTGCCCCGTGGCAAGGCTCCCCTAAGGGGTATCCTCTTT
GCTCGACGCCAACCTGTGCCAGTTCCTTGGGTCCAACCAATCTCCACCTTACCTCTACAGGGCCCC
CTTCCAGTACCTTGCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229594 representing NM_001252622
 Red=Cloning site Green=Tags(s)

MEALQRQQAARLAQGVGPLAPPRLPLQPPLLGARTLQAPEGAIGVVGAEEEEGADEEGETPLAEETA
 EQSHPGARCPNSPSSQSPGIQPHEWTYEEQFKQLYELDADPKRKEFLDDLFSFMQKRGTPVNRVPI
 MAKQVLDLYALFRLVTAKGGLVEVINRQVWREVTRGLSLPTTITSAFTLRQYMKYLYPECE
 TRALSSPGELQAAIDSNRREGRQAYTAVPLFNLGPTPRGAPGPASSHGPAATATPNCPGPTQGSASGLPAHACAQLSP
 SPVKKEESGIPPPRLALPMGLASEATREKLAPEEPPEKRAVLMGPVDSRPLGAPPSFLPRGKAPLRGILF
 ARRQPVASLGPNTNPPPLPSTGPPSSTLP

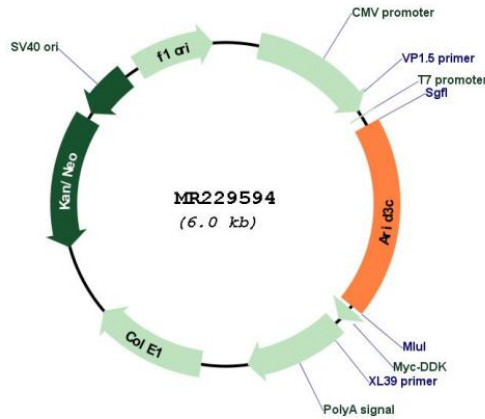
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001252622

ORF Size:	1137 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_001252622.1 , NP_001239551.1
RefSeq Size:	1661 bp
RefSeq ORF:	1140 bp
Locus ID:	550619
Cytogenetics:	4 A5
MW:	41 kDa
Gene Summary:	This gene is a member of the ARID (AT-rich interaction domain) family of proteins. The ARID domain is a helix-turn-helix motif-based DNA-binding domain. ARID family members have roles in embryonic patterning, cell lineage gene regulation, cell cycle control, transcriptional regulation and possibly in chromatin structure modification. [provided by RefSeq, Jul 2008]