

Product datasheet for **RG217747**

ARID3C (NM_001017363) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARID3C (NM_001017363) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARID3C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217747 representing NM_001017363 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCCCTGCAGAAGCAGCAGGCAGCTCGGCTGGCCAGGGGGTGGGGCCATTGGCCCTGCATGCC
CGCTGCTGCCACCGCAGCCTCCCCTGCCTGACCACCGGACCCTACAGGCCCTGAGGGGGCTTGGGGAA
TGTTGGGGCTGAGGAAGAGGAAGATGCTGAAGAAGATGAGGAGAAGCGGGAGGAAGCCGGGCAGAGGAG
GAGGCAGCTGAGGAGAGCCGTCAGGGGCCAGGGCCCGACTCGCCTTCTAGCCAGCCCTGGACTCC
ATCCCCACGAGTGGACCTACGAGGAACAATTCAAGCAGCTGTATGAGCTCGATGCAGACCCCAAGAGGAA
GGAATTTCTGGATGACCTGTTTAGCTTCATGCAAAGAGGGGACGCCAGTGAACCGCGTGCCCATCATG
GCGAAGCAGGTGCTCGACCTGTACGCTCTGTTTCGCTGGTGACCGCAAGGGCGGCTGGTGAAGTCA
TCAACCGCAAAGTGTGGCGGAAGTACGCGCGGCTCAGCCTACCCACCACCATCACCTCGGCCGCTT
CACTCTACGCACCCAGTACATGAAGTACCTGTACCCGTACGAGTGCAGACTCGAGCGCTCAGCTCCCCA
GGGAGCTCCAGGCCGCATAGACAGCAATCGGCGGAGGGCCGTCGCCAGGCTTACACCGCTACTCCGC
TCTTCGGCTTGGCAGGGCCGCCCTCGGGCGCTCAGGACCCAGCCTTGGGTCCCGGCCCGCCCTCC
GGCGACCCAGTCCAGCCCTGGCCAGCCAGGTTCCACCTCCGGCTGCCAGCGCATGCATGCGCTCAG
CTGAGTCCAAGCCCTATTAAGAAAGAGGAGAGTGAATTCAAACCCCTTGTCTGGCACTGCCTGTGGCC
TGGCACTGGGACCTACACGGGAGAAATTGGCACCAGAGGAGCCCCAGAGAAGAGAGCTGTGCTGATGGG
GCCTATGGACCCACCTCGACCTTGCATGCCCCCAGTTTCTGCCCCGTGGCAAGTTCCCTGAGGGAA
GAGCGGCTGGATGGGCTCTTAATCTGGCAGGCAGTGGCATCAGCAGTATCAACATGGCCCTAGAGATCA
ACGGGGTGGTCTACACTGGTGTCTCTTTGCCCGCCAGCCTGTGCCAGTTCACAGGGTCCAACCAA
CCCTGCACCCCCACCTCCACAGGGCCCCCTTCCAGCATCTTGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG217747 representing NM_001017363
 Red=Cloning site Green=Tags(s)

MEALQKQQAARLAQGVGPLAPACPLLPPQPPLPDHRTLQAPEGALGNVGAEEEEEDAEDEEKREEAGAE
 EAAEESRPGAQGPSSPSSQPGLHPHEWTYEEQFKQLYELDADPKRKEFLDDLF SFMQKRGTVPVNRVPI
 AKQVLDLYALFRLVTAKGLVEVINRQVREVT RGLSLPTTITSAFTLR TQYMKYLYPYECETRALSSP
 GELQAAIDSNRREGRRQAYTATPLFGLAGPPRGAQDPALGPGPAPPATQSSPGAQGSTSGLPAHACAQ
 LSPSPIKKEESGIPNCLALPVGLALGPTREKLAP EEPPEKRAVLMGPMPPRCPMPSPFLPRGKVP LRE
 ERLDGPLNLAGSGISSINMALEINGVVYTGVL FARRQVPASQGPTNPAPPSTGPPSSILP

TRTRPLE - GFP Tag - V

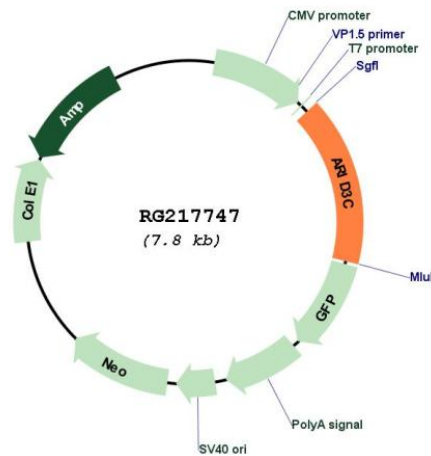
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001017363

ORF Size:	1236 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_001017363.2
RefSeq Size:	1239 bp
RefSeq ORF:	1239 bp
Locus ID:	138715
UniProt ID:	A6NKF2
Cytogenetics:	9p13.3
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]