

Product datasheet for RC217747

ARID3C (NM_001017363) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARID3C (NM_001017363) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARID3C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217747 representing NM_001017363 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGAGGCCCTGCAGAAGCAGCAGGCAGCTCGGCTGGCCAGGGGGTGGGGCCATTGGCCCTGCATGCC
CGCTGCTGCCACCGCAGCCTCCCCTGCCTGACCACCGGACCCTACAGGCCCTGAGGGGGCTTGGGGAA
TGTTGGGGCTGAGGAAGAGGAAGATGCTGAAGAAGATGAGGAGAAGCGGGAGGAAGCCGGGGCAGAGGAG
GAGGCAGCTGAGGAGAGCCGTCAGGGGGCCAGGGCCCCAGCTCGCCTTCTAGCCAGCCCCCTGGACTCC
ATCCCCACGAGTGGACCTACGAGGAACAATTCAAGCAGCTGTATGAGCTCGATGCAGACCCCAAGAGGAA
GGAATTTCTGGATGACCTGTTTAGCTTTCATGCAAAAGAGGGGACGCCAGTGAACCGCGTGCCCATCATG
GCGAAGCAGGTGCTCGACCTGTACGCTCTGTTTCGCTGGTGACCGCCAAGGGCGGCCTGGTGAAGTCA
TCAACCGCAAAGTGTGGCGGAAGTACGCGCGGCCTCAGCCTACCCACCACCATCACCTCGGCCGCTT
CACTCTACGCACCCAGTACATGAAGTACCTGTACCCGTACGAGTGCAGACTCGAGCGCTCAGCTCCCCA
GGGGAGCTCCAGGCCGCATAGACAGCAATCGGCGGAGGGCCGTGCCAGGCTTACACCCTACTCCGC
TCTTCGGCTTGGCAGGGCCGCCCTCGGGCGCTCAGGACCCAGCCTTGGGTCCCGCCCCGCCCTCC
GGCGACCCAGTCCAGCCCTGGCCAGCCAGGGTTCACCTCCGGCCTGCCAGCGCATGCATGCGCTCAG
CTGAGTCCAAGCCCTATTAAGAAAGAGGAGAGTGAATTCAAAACCTTGTCTGGCACTGCCTGTGGCC
TGGCACTGGGACCTACACGGGAGAAATTGGCACCAGAGGAGCCCCAGAGAAGAGAGCTGTGCTGATGGG
GCATATGGACCCACCTCGACCTTGATGCCCCAGTTTCTGCCCCGTGGCAAGTTCCCTGAGGGAA
GAGCGGCTGGATGGGCTCTTAATCTGGCAGGCAGTGGCATCAGCAGTATCAACATGGCCCTAGAGATCA
ACGGGGTGGTCTACACTGGTGTCTCTTTGCCCGCCAGCCTGTGCCAGCTTCCAGGGTCCAACCAA
CCCTGCACCCCCACCTCCACAGGGCCCCCTCCAGCATCTTGCCC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC217747 representing NM_001017363
Red=Cloning site Green=Tags(s)

MEALQKQQAARLAQGVGPLAPACPLLPQPPLPDHRTLQAPGALGNVGAEEEEAEDEEKREEAGAE
 EAAEESRPGAQGPSSPSSQPPGLHPHEWTYEEQFKQLYELDADPKRKEFLDDLF SFMQKRGTPVNRVPI
 AKQVLDLYALFRLVTAKGGLVEVINRKVWREVRGLSLPTTITSAFTLRTQYMKLYPYECETRALSSP
 GELQAAIDSNRRREGRRQAYTATPLFGLAGPPRGAQDPALGPGPAPPATQSSPGAQGSTGLPAHACAQ
 LSPSPIKKEESGIPNPCLALPVGLALGPTREKLAPPEPPEKRAVLMGPMPPRCPMPSSFLPRGKVP
 LREERLDGPLNLAGSGISSINMALEINGVVYTGVLFARRQVPASQGTNPAPPSTGPPSSILP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8016_d04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001017363.2](#)

RefSeq Size: 1239 bp

RefSeq ORF: 1239 bp

Locus ID: 138715

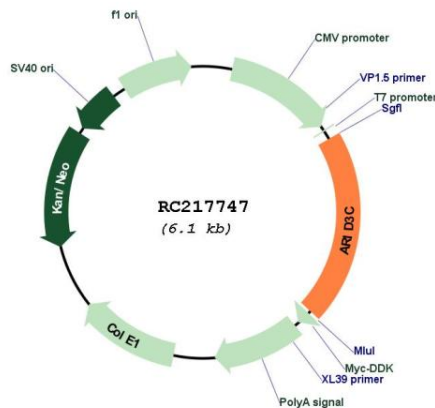
UniProt ID: [A6NKF2](#)

Cytogenetics: 9p13.3

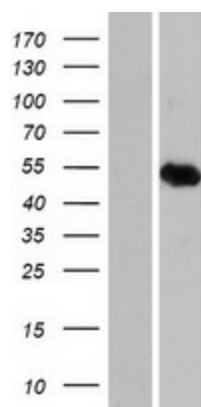
MW: 43.9 kDa

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]

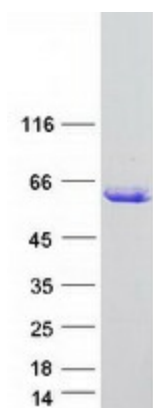
Product images:



Circular map for RC217747



Western blot validation of overexpression lysate (Cat# [LY422637]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217747 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ARID3C protein (Cat# [TP317747]). The protein was produced from HEK293T cells transfected with ARID3C cDNA clone (Cat# RC217747) using MegaTran 2.0 (Cat# [TT210002]).