

Product datasheet for **RC205396**

ARRDC2 (NM_015683) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARRDC2 (NM_015683) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARRDC2
Synonyms:	CLONE24945; PP2703
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC205396 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTATTCGACAAGGTGAAAGCGTTCTCGGTGCAGTTGGACGGCGGACCGCGGGCGTCGAGCCCGTGT
TTAGCGGCGGCCAGGCCGTGGCGGGCGGGTGCTGCTGGAGCTGTCAAGCGCCGCGCGTGTGGGTGCCCT
GAGGCTGCGCGCGCGGGGCCGCCACGTGCACTGGACCGAGTCGCGCAGCGCGGGCTCGAGCACGGCT
TACACGCAGAGCTACAGTGAACGCGTGGAGTCTGTGAGCCACCGCGCCACGCTCCTGGCGCCAGATACCG
GGGAGACCACGACGCTGCCTCCTGGGCGCCATGAGTTCCTGTTCACTTCCAGCTGCCCCGACCCTGGT
GACATCCTTCGAGGGCAAACACGGTAGTGTCCGCTACTGTATCAAGGCCACCCTGCACCGGCCCTGGGTC
CCAGCACGCCGGGCAAGGAAGGTGTTCACTGTCTCGAGCCTGTGGACATCAACACGCCAGCCCTGCTGG
CACCTCAAGCGGGGGCTCGGGAAAAGGTTGCCGATCCTGGTACTGTAACCATGGCCTAGTCTCCCTTTC
GGCCAAGATCGACCACAAGGGCTACACCCAGGAGAGGTATCCCTGTCTTTGCCGAGATCGACAACGGC
TCCACACGTCTGTGCTGCCTCGGGCAGCCGTGGTGCAGACACAGACGTTTATGGCCGAGGCGCCGAA
AGCAGAAACGGGCAGTGGTGGCCAGCCTCGCGGGCAGCCGTGGGCCCCGGGCAGCGGGCGCTGTGGCA
GGGCGGGGCACTGCGGATCCCCCAGTGGGTCTTCCATCCTGCACTGCCGCTTCTACACGTGGACTAC
GCACTCAAGGTCTGTGTGATATCCCAGAACGTCCTCAAGCTGCTGCTGGAGCTGCCACTGGTGATCGGCA
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GAGGCAGCCTTGGGGCAGAGCCCTTCCCGCTCCGAGGACCCGATATGAGCCTTGAAGGCCGCTTCT
TCGCCTACATCCAAGAGTTCGCTACCGCCGCCACCCCTGTACTCTGAGGAGGATCCAAACCCACCCTT
GGGGGACATGAGGCCGCGCTGCATGACTTGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC205396 protein sequence
 Red=Cloning site Green=Tags(s)

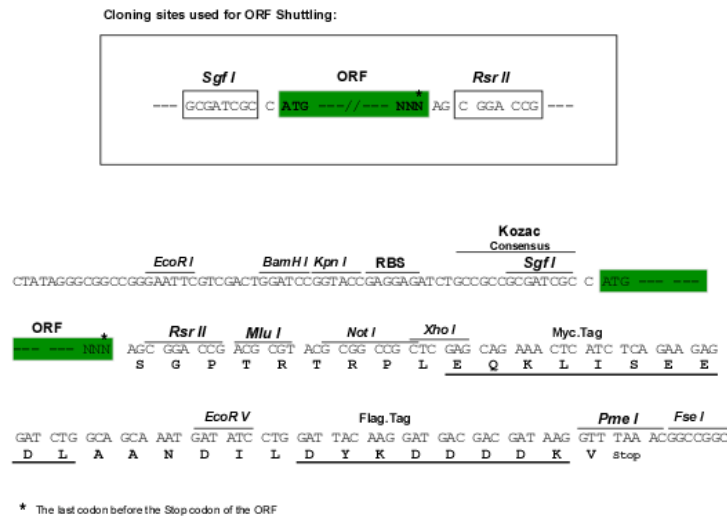
MLFDKVKAFSVQLDGATAGVEPVFSGGQAVAGRVLLELSSAARVGALRLRARGRAHVHWTESRSAGSSTA
 YTQSYSERVEVSHRATLLAPDTGETTTLPGRHEFLFSFQLPPTLVTSFEGKHGSVRYCIKATLHRPWV
 PARRARKVFTVIEPVDINTPALLAPQAGAREKVARSWYCNHGLVSLSAKIDHKGYTPGEVIPVFAEIDNG
 STRPVLPRAAVVQTQTFMARGARKQKRAVVASLAGEPVGPGRALWQGRALRIPPVGPSILHCRVLHVDY
 ALKVCVDIPGTSKLLLELPLVIGTIPLHPFGSRSSSVGSHASFLLDWRLGALPERPEAPPEYSEVVADTE
 EALGQSPFPLPQDPDMSLEGPFAYIQEFRYPPLLYSEEDPNPPLGDMRPRCMTCT

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6619_a09.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_015683

ORF Size: 1221 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_015683.1, NP_056498.1

RefSeq Size: 2518 bp

RefSeq ORF: 1224 bp

Locus ID: 27106

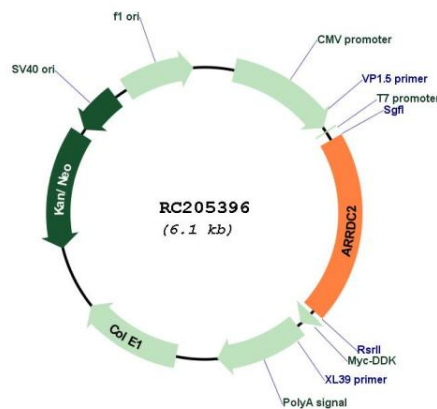
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Cytogenetics: 19p13.11

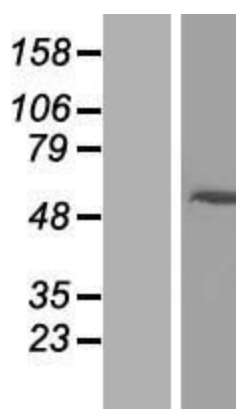
Domains: arrestin

MW: 44.3 kDa

Product images:



Circular map for RC205396



Western blot validation of overexpression lysate (Cat# [LY414378]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205396 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).