

Product datasheet for **RG205396**

ARRDC2 (NM_015683) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARRDC2 (NM_015683) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARRDC2
Synonyms:	CLONE24945; PP2703
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205396 representing NM_015683 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTATTCGACAAGGTGAAAGCGTTCTCGGTGCAGTTGGACGGCGGACCGCGGGCGTCGAGCCCGTGT
TTAGCGGCGGCCAGGCCGTGGCGGGCGGGTGCTGCTGGAGCTGTCAAGCGCCGCGCGTGTGGGTGCCCT
GAGGCTGCGCGCGCGGGGCCGCCACGTGCACTGGACCGAGTCGCGCAGCGCGGGCTCGAGCACGGCT
TACACGCAGAGCTACAGTGAACGCGTGGAGGTCGTGAGCCACCGCGCCACGCTCCTGGCGCCAGATACCG
GGGAGACCACGACGCTGCCTCCTGGGCGCCATGAGTTCCTGTTCACTTCCAGCTGCCCCGACCCTGGT
GACATCCTTCGAGGGCAAACACGGTAGTGCCGCTACTGTATCAAGGCCACCCTGCACCGGCCCTGGGTC
CCAGCACGCCGGGCAAGGAAGGTGTTCACTGTCATCGAGCCTGTGGACATCAACACGCCAGCCCTGCTGG
CACCTCAAGCGGGGGCTCGGGAAAAGGTTGCCGATCCTGGTACTGTAACCATGGCCTAGTCTCCCTTTC
GGCCAAGATCGACCACAAGGGCTACACCCAGGAGAGGTGATCCCTGTCTTTGCCGAGATCGACAACGGC
TCCACACGTCTGTGCTGCCTCGGGCAGCCGTGGTGCAGACACAGACGTTGATGGCCGAGGCGCCGAA
AGCAGAAACGGGCAGTGGTGGCCAGCCTCGCGGGCAGCCGTTGGGCCCCGGGCAGCGGGCGCTGTGGCA
GGGCGGGGCACTGCGGATCCCCCAGTGGGTCTTCCATCCTGCACTGCCGCGTTCTACAGTGGACTAC
GCACTCAAGGTCTGTGTGGATATCCCAGAACGTTCCAAGCTGCTGCTGGAGCTGCCACTGGTGATCGGCA
CCATTCCCTTGACCCCTTTTGGCAGCCGTTCTCCAGCGTGGGCAGCCAGCCAGCTTCTGCTGGACTG
GAGGCTGGGGGCTTGCCAGAGCGGCTGAGGCTCCTCCTGAGTACTCGAGGTGGTAGCCGACACTGAG
GAGGCAGCCTTGGGGCAGAGCCCTTCCGCTTCCGAGGACCCGATATGAGCCTTGAAGGCCGCTTCT
TCGCCTACATCCAAGAGTTCGCTACCGCCGCCACCCCTGTACTCTGAGGAGGATCCAAACCCACCCTT
GGGGGACATGAGGCCGCGCTGCATGACTTGC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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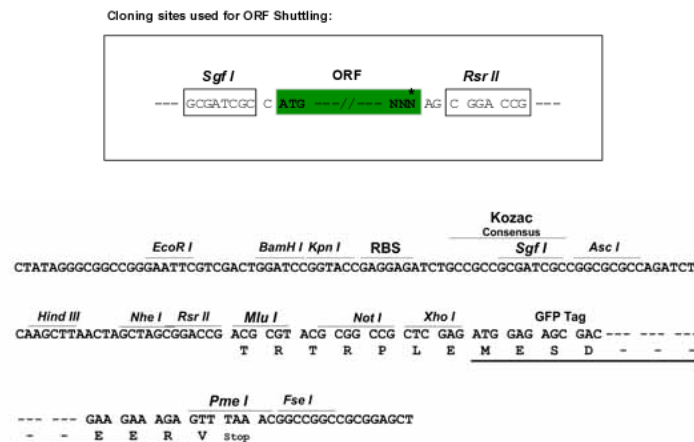
Protein Sequence: >RG205396 representing NM_015683
Red=Cloning site Green=Tags(s)

MLFDKVKAFSVQLDGATAGVEPVFSGGQAVAGRVLLELSAARVGALRLRARGRAHVHWTESRSAGSSTA
YTQSYSERVEVSHRATLLAPDTGETTTLPGRHEFLFSFQLPPTLVTSFEGKHGSVRYCIKATLHRPWV
PARRARKVFTVIEPVDINTPALLAPQAGAREKVARSWYCNHGLVLSAKIDHKGYTPGEVIVFAEIDNG
STRPVLPRAAVVQTQTFMARGARKQKRAVVASLAGEPVGPGRALWQGRALRIPPVGPSILHCRVLHVDY
ALKKVCVDIPGTSKLLLEPLVIGTIPLHPFGSRSSSVGSHASFLLDWRLGALPERPEAPPEYSEVVADTE
EALGQSPFPLPQDPDMSLEGPFAYIQEFYRPPPLYSEEDPNPPLGDMRPRCMT

SGPTRRRL - GFP Tag - V

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.

RefSeq: [NM_015683.1](#), [NP_056498.1](#)

RefSeq Size: 2518 bp

RefSeq ORF: 1224 bp

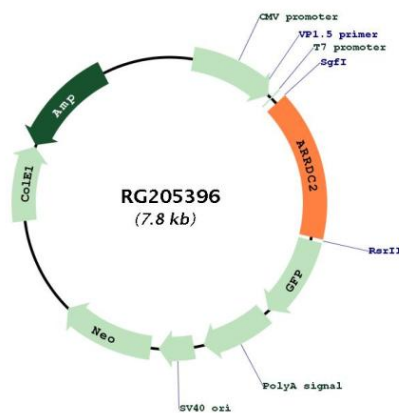
Locus ID: 27106

UniProt ID: [Q8TBH0](#)

Cytogenetics: 19p13.11

Domains: arrestin

Product images:



Circular map for RG205396