

Product datasheet for **RG224033**

ARRDC2 (NM_001025604) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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: >RG224033 representing NM_001025604
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGCTCTGGGGCGTGCAGCTTCGCGCTGGAGCTGGCGCGGGGCCCGGGCGGCCTACCGCGCG
GGGAGCGGCTGTGCGGCGGGTGTCTGCTGGAGCGCGCGCGCGCTGCGGGTGCAGAGCGCTCGAGGTGAA
GGCGCGCGGGCGGGCGGCCACCCACTGGTTGGAGGGTCGCAGCGTGGGCGTCAACGCCGTATCCAGCGAC
TACGCGGCCGCGGAGACCTACCTGCGGCGTCGGCAGCTGCTGCTCCGAGATACCGGGAGACCACGACGC
TGCTCTCTGGGCGCCATGAGTTCTGTTCAGCTTCCAGCTGCCCGGACCTGGTGACATCCTTCGAGGG
CAAAACACGGTAGTGTCCGCTACTGTATCAAGGCCACCTGCACCGGCCCTGGGTCCCAGCACGCCGGGCA
AGGAAGGTGTTCACTGTCATCGAGCCTGTGGACATCAACACGCCAGCCCTGCTGGCACCTCAAGCGGGG
CTCGGAAAAAGGTTGCCGATCCTGGTACTGTAACCGTGGCCTAGTCTCCCTTTTCGGCCAAGATCGACCG
CAAGGGCTACACCCAGGAGAGGTATCCCTGTCTTTGCCGAGATCGACAACGGCTCCACACGTCTCTGTG
CTGCCTCGGGCAGCCGTGGTGCAGACACAGACGTTATGGCCCGAGGCGCCGAAAGCAGAAACGGGCAG
TGGTGGCCAGCCTCGCGGGCGAGCCGTGGGCCCGGGCAGCGGGCGCTGTGGCAGGGCCGGGCACTGCG
GATCCCCCAGTGGGTCTTCCATCCTGCACTGCCGCTTCTACAGTGGACTACGCACTCAAGGTCTGT
GTGGATATCCAGGAACGTCCAAGCTGCTGCTGGAGCTGCCACTGGTGATCGGCACCATTCCTTGCACC
CTTTTGGCAGCCGTTCTCCAGCGTGGGACGCCAGCAGCTTCTGCTGGACTGGAGGCTGGGGCCTT
GCCGGAGCGGCTGAGGCTCCTCTGAGTACTCGGAGGTGGTAGCCGACACTGAGGAGGCAGCCTTGGGG
CAGAGCCCCCTCCGCTTCCGAGGACCCGACATGAGCCTTGAAGGCCGTTCTTCGCCTACATCCAAG
AGTTCCGCTACCGCCCGCCACCCCTGTACTCTGAGGAGGATCCAAACCACTCTTGGGGACATGAGGCC
GCGCTGCATGACTTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG224033 representing NM_001025604
 Red=Cloning site Green=Tags(s)

MRSGGVRSFALELARGPGGAYRGERLCGRVLEAAAPLRVRALEVKARGGAATHWLEGRSVGVNAVSSD
 YAAAETYLRRRQLLRDTGETTTLPPGRHEFLFSFQLPPTLVTSFEGKHGSVRYCIKATLHRPWVPARRA
 RKVFTVIEPVDINTPALLAPQAGAREKVARSWYCNRLVLSAKIDRKGYTPGEVIVPFAEIDNGSTRPV
 LPRAAVVQTQTFMARGARKQKRAVVASLAGEPVGPGQRALWQGRALRIPPVGPSILHCRVLHVDYALKVC
 VDIPGTSKLLLELPLVIGTIPLHPFGSRSSSVGSHASFLLDWRLGALPERPEAPPEYSEVVADTEEAALG
 QSPFPLPQDPDMSLEGPFAYIQEFRYRPPLYSEEDNPPLLGDMPRCMTC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001025604

ORF Size: 1206 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_001025604.3

RefSeq Size: 2539 bp

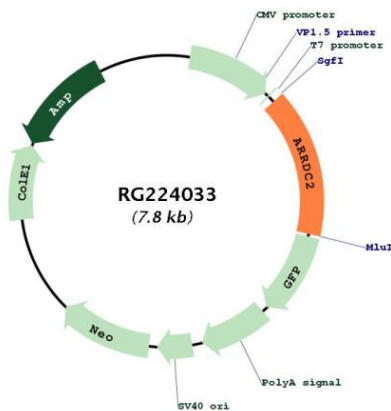
RefSeq ORF: 1209 bp

Locus ID: 27106

UniProt ID: Q8TBH0

Cytogenetics: 19p13.11

Product images:



Circular map for RG224033