

Product datasheet for **RG236301**

p21 ARC (ARPC3) (NM_001287222) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: p21 ARC (ARPC3) (NM_001287222) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ARPC3
Synonyms: ARC21; p21-Arc
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236301 representing NM_001287222.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGGCTTACCACTCTTCTCTCATGGATCCTGATACCAAACATCGGAAACATGGCACTGTTGCCT
ATCAGAAGTCAATTCAAAGGACCTGCCCCAGAGAGACAAAAGATACAGATATTGTGGATGAAGCCATC
TATTACTTCAAGGCCAATGTCTTCTTCAAAAATGAAATTAAGAATGAAGCTGATAGGACCTTGATA
TATAACTCTACATTTCTGAATGTCTGAAGAACTGCAAAAGTCAATTCCAAAAGCCAAGGTGAG
AAAGAAATGTATACGCTGGGAATCACTAATTTCCATTCTGGAGAGCCTGGTTTTCCACTAACGCA
ATTTATGCCAAACCTGCAAAACAAACAGGAAGATGTGATGAGGCCTATTTACAACAGCTAAGGCAAGAG
ACTGGACTGAGACTTTGTGAGAAAGTTTCGACCCTCAGAATGATAAACCCAGCAAGTGGTGGACTTGC
TTTGTGAAGAGACAGTTCATGAACAAGAGTCTTTCAGGACCTGGACAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236301
Blue=ORF Red=Cloning site Green=Tag(s)

```
MPAYHSSLMDPDKLIGNMALLPIRSQFKGPAPRETKDIDVDEAIYYFKANVFFKNYEIKNEADRTLII
YITLYISECLKKLQKCNKSKSQGEKEMYTLGITNFPPIGPEPGLNNAIYAKPANKQEDVMRAYLQQLRQE
TGLRLCEKVFDPQNDKPSKWWTCFVKRQFMNKSLSGPGQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLVHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI

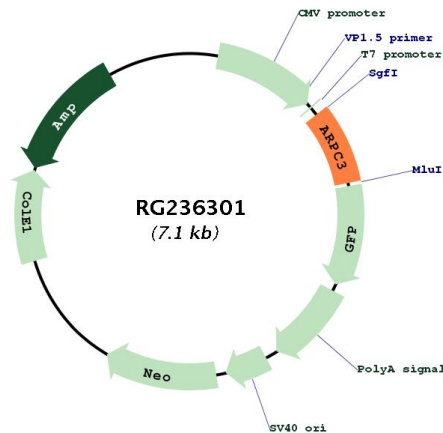


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_001287222

ORF Size: 531 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).
RefSeq:	NM_001287222.1 , NP_001274151.1
RefSeq Size:	959 bp
RefSeq ORF:	534 bp
Locus ID:	10094
UniProt ID:	O15145
Cytogenetics:	12q24.11
Protein Pathways:	Fc gamma R-mediated phagocytosis, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton
MW:	20.9 kDa
Gene Summary:	This gene encodes one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein complex has been conserved through evolution and is implicated in the control of actin polymerization in cells. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2013]