

## Product datasheet for **SC334195**

### p21 ARC (ARPC3) (NM\_001287222) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	p21 ARC (ARPC3) (NM_001287222) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARPC3
Synonyms:	ARC21; p21-Arc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001287222, the custom clone sequence may differ by one or more nucleotides

```
ATGCCGGCTTACCACTCTTCTCTCATGGATCCTGATACCAAACATCGGAAACATGGCACTGTTGCCTA
TCAGAAGTCAATTCAAAGGACCTGCCCCAGAGAGACAAAAGATACAGATATTGTGGATGAAGCCATCTA
TTACTTCAAGCCAATGTCTTCTTCAAAAACATGAAATTAAGAATGAAGCTGATAGGACCTTGATATAT
ATAACTCTCTACATTTCTGAATGTCTGAAGAACTGCAAAAGTCAATTCAAAAGCCAAGGTGAGAAAG
AAATGTATACGCTGGGAATCACTAATTTTCCCATTCTGGAGAGCCTGGTTTTCCACTTAACGCAATTTA
TGCCAAACCTGCAACAAACAGGAAGATGTGATGAGAGCCTATTTACAACAGCTAAGGCAAGAGACTGGA
CTGAGACTTTGTGAGAAAGTTTTGACCCTCAGAATGATAAACCCAGCAAGTGGTGGACTTGCTTTGTGA
AGAGACAGTTCATGAACAAGAGTCTTTCAGGACCTGGACAGTGA
```

Restriction Sites:	SgfI-MluI
ACCN:	NM_001287222
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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**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\\_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

**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]  
Transcript Variant: This variant (2) uses an alternate in-frame acceptor splice site in the 3' coding region compared to variant 1. The resulting shorter isoform (2) lacks 1 aa compared to isoform 1.