

## Product datasheet for **SC333914**

### ARFRP1 (NM\_001267544) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ARFRP1 (NM_001267544) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARFRP1
Synonyms:	ARL18; ARP; Arp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333914 representing NM_001267544. Blue=Insert sequence Red=Cloning site Green=Tag(s)

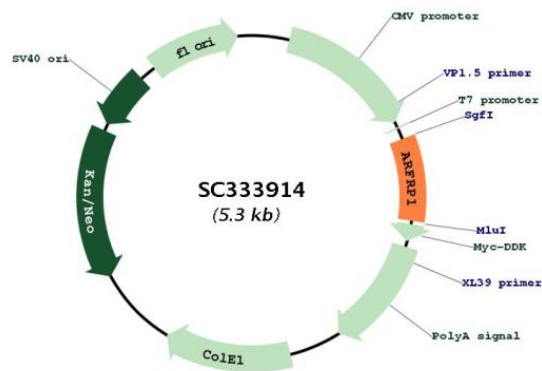
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTACACGCTGCTGTCGGGCTTGTAAGTACATGTTTCAGAAGGACGAGTACTGCATCCTGATCCTG
GGCCTGGACAATGCTGGGAAGACGACCTTCTGGAGCAGTCGAAAACCCGATTTAACAAGAATAACAAG
GGGATGAGTCTATCCAAATCACCACCACCGTGGGCCTAAACATCGGCACTGTGGATGTGGGAAAGGCT
CGGCTCATGTTCTGGGACTTAGGAGGGCAGGAAGAGCTGCAGTCTTTGTGGGACAAGTATTATGCGGAG
TGTCACGGCGTCATCTACGTATTGACTCCACCAGCAGGAGAGGCTGGCTGAGTCCAAGCAGGCGTTT
GAAGGTGGTGACCAGCGAGGCGCTGTGCGGTGTCCCGTCTTGGTCTGGCCAACAAGCAGGATGTGGA
GACGTGCCTCTCAATCCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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## Plasmid Map:



**ACCN:** NM\_001267544

**Insert Size:** 435 bp

**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).

**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\\_001267544.2](https://www.ncbi.nlm.nih.gov/RefSeq/record/NM_001267544.2)

RefSeq Size: 2645 bp

RefSeq ORF: 435 bp

Locus ID: 10139

Cytogenetics: 20q13.33

MW: 16.1 kDa

**Gene Summary:** The protein encoded by this gene is a membrane-associated GTP-ase which localizes to the plasma membrane and is related to the ADP-ribosylation factor (ARF) and ARF-like (ARL) proteins. This gene plays a role in membrane trafficking between the trans-Golgi network and endosomes. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, May 2012]

Transcript Variant: This variant (3) lacks an alternate segment in the 3' coding region and contains an alternate segment in the 3' terminal exon, compared to variant 1, which results in a frameshift and a protein (isoform C) with a shorter and distinct C-terminus, compared to isoform A. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.