

## Product datasheet for **RC232104**

### ARFRP1 (NM\_001267547) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ARFRP1 (NM\_001267547) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ARFRP1  
**Synonyms:** ARL18; ARP; Arp1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC232104 ORF sequence  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTACACGCTGCTGTCGGGCTTGTACAAGTACATGTTTCAGAAGGACGAGTACTGCATCCTGATCCTGG  
GCCTGGACAATGCTGGGAAGACGACCTTCTGGAGCAGTCGAAAACCCGATTTAAACAAGAACTACAAGGG  
GATGAGTCTATCCAAAATCACCACCACCGTGGGCCTAAACATCGGCACTGTGGATGTGGAAAGGCTCGG  
CTCATGTTCTGGGACTTAGGAGGGCAGGAAGAGCTGCAGTCTTTGTGGACAAGTATTATGCGGAGTGTC  
ACGGCGTCATCTACGTCATTGACTCCACCGACGAGGAGAGGCTGGCTGAGTCCAAGCAGGCGTTTGAGAA  
GGTGGTGACCAGCGAGGGCGTGTGCGGTGTCCCGTCTTGGTGCTGGCCAACAAGCAGGATGTGGAGACG  
TGCCCTCTCAATCCCTGACATCAAGACGGCCTTCAGCGACTGCACCAGCAAGATCGGCAGGCGAGATTGCC  
TGACCCAGGCCTGCTCGGCCCTCACAGGCAAAGGGGTGCGCGAGGGCATCGAGTGGATGGTGAAGTGTGT  
CGTGCGGAATGTGCACCGGCCCGCCGCGCAGAGGGACATCACG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC232104 protein sequence  
**Red=Cloning site Green=Tags(s)**

MYLLSGLYKYMFKDEYICILILGLDNAGKTFLEQSKTRFNKNYKMSLSKITTTVGLNIGTVDVGKAR  
LMFWDLGGQEELQSLWDKYAECHEGVIYVIDSTDEERLAESKQAFEKVVTSEALCGVPVLVLANKQDVET  
CLSIPIKTAFSICTSKIGRRDCLTQACSALTGKGVREGIEWMVKCVVRNVHRPPRQDIT

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



Chromatograms: [https://cdn.origene.com/chromatograms/mk6380\\_a10.zip](https://cdn.origene.com/chromatograms/mk6380_a10.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001267547

ORF Size: 603 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\\_001267547.3](#)

RefSeq Size: 2576 bp

RefSeq ORF: 606 bp

Locus ID: 10139

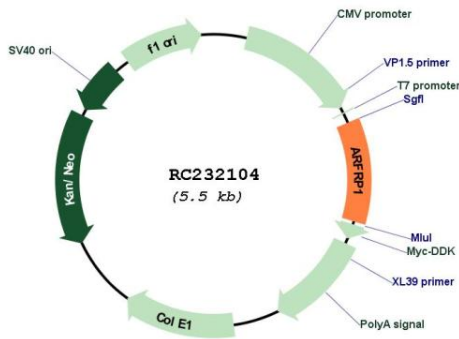
UniProt ID: [Q13795](#)

Cytogenetics: 20q13.33

MW: 22.6 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]

**Product images:**



Circular map for RC232104