

Product datasheet for **RG232105**

ARFRP1 (NM_001267548) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARFRP1 (NM_001267548) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ARFRP1
Synonyms: ARL18; ARP; Arp1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG232105 representing NM_001267548
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACACGCTGCTGTCGGGCTTGTACAAGTACATGTTTCAGAAGGACGAGTACTGCATCCTGATCCTGG
GCCTGGACAATGCTGGGAAGACGACCTTCTGGAGCAGTCGAAAACCCGATTTAAACAAGAACTACAAGGG
GATGAGTCTATCCAAAATCACCACCACCGTGGCCTAAACATCGGCACTGTGGATGTGGAAAGGCTCGG
CTCATGTTCTGGACTTAGGAGGGCAGGAAGAGCTGCAGTCTTTGTGGACAAGTATTATCGGGAGTGTC
ACGGCGTCATCTACGTCATTGACTCCACCGACGAGGAGGCTGGCTGAGTCCAAGCAGGCGTTTGAGAA
GGTGGTGACCAGCGAGGCGCTGTGCGGTGTCCCGTCTTGGTGCTGGCCAACAAGCAGGATGTGGAGACG
TGCCCTCAATCCCTGACATCAAGACGGCCTTCAGCGACTGCACCAGCAAGATCGGCAGGCGAGATTGCC
TGACCCAGGCGCTGCTCGGCCCTCACAGGCAAAGGGGTGCGCGAGGGCATCGAGTGGATGGTGAAGTGTGT
CGTGCGGAATGTGCACCGGCCCGCCGCGCAGAGGGACATCACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG232105 representing NM_001267548
Red=Cloning site Green=Tags(s)

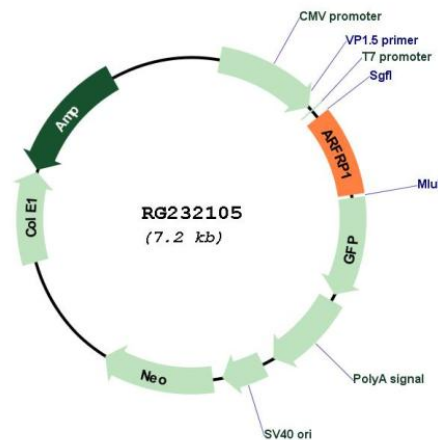
MYTLLSGLYKYMFKDEYICILILGLDNAGKTFLEQSKTRFNKNYKMSLSKITTTVGLNIGTVDVGKAR
LMFWDLGGQEELQSLWDKYAACHGVIYVIDSTDEERLAESKQAFKVVVSEALCGVPVLVLANKQDVET
CLSIPIKTAFSDCSTKIGRRDCLTQACSALTGKGVREGIEWMVKVVRNVHRPPRQDIT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001267548

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_001267548.2](#)

RefSeq Size: 2472 bp

RefSeq ORF: 606 bp

Locus ID: 10139

UniProt ID: [Q13795](#)

Cytogenetics: 20q13.33

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]