

## Product datasheet for **RG235790**

### ARFRP1 (NM\_001267545) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ARFRP1 (NM\_001267545) 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:** >RG235790 representing NM\_001267545.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTACACGCTGCTGCGGGCTTGTACAAGTACATGTTTCAGAAGGACGAGTACTGCATCCTGATCCTG
GGCCTGGACAATGCTGGGAAGACGACCTTCCTGGAGCAGTCGAAAACCCGATTTAACAAGAATAACAAG
GGGATGAGTCTATCCAAATCACCACCACCGTGGGCCTAAACATCGGCACTGTGGATGTGGGAAAGGCT
CGGCTCATGTTCTGGGACTTAGGAGGGCAGGAAGAGCTGCAGTCTTTGTGGGACAAGTATTATGCGGAG
TGTCACGGCGTCATCTACGTCATTGACTCCACCAGCAGGAGAGGCTGGCTGAGTCCAAGCAGCGGTTT
GACGTGCCTCTCAATCCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

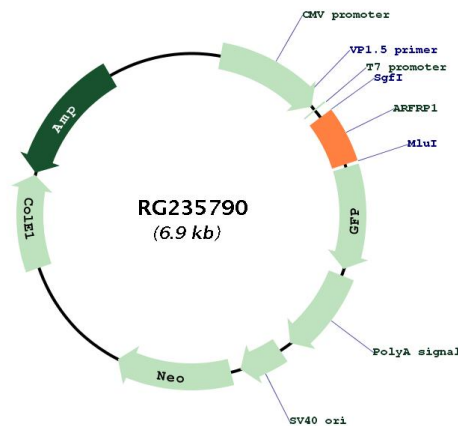
**Protein Sequence:** >Peptide sequence encoded by RG235790  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MYTLLSGLYKYMFKDEYCILILGLDNAGKTTFLEQSKTRFNKNYKMSLSKITTIVGLNIGTVDVGKA
RLMFWDLGGQEELQSLWDKYAECHEGVIYVIDSTDEERLAESKQAFDVLNP
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** Sgfl-MluI



**Cloning Scheme:**

**Plasmid Map:**


ACCN: NM\_001267545

ORF Size: 363 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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001267545.2</a> , <a href="#">NP_001254474.1</a>
<b>RefSeq Size:</b>	2571 bp
<b>RefSeq ORF:</b>	366 bp
<b>Locus ID:</b>	10139
<b>UniProt ID:</b>	<a href="#">Q13795</a>
<b>Cytogenetics:</b>	20q13.33
<b>MW:</b>	14.3 kDa
<b>Gene Summary:</b>	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]