

Product datasheet for RC236020

ARFRP1 (NM_001267544) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ARFRP1 (NM_001267544) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ARFRP1
Synonyms: ARL18; ARP; Arp1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236020 representing NM_001267544
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTACACGCTGCTGTCGGGCTTGACAAGTACATGTTTCAGAAGGACGAGTACTGCATCCTGATCCTGG
GCCTGGACAATGCTGGGAAGACGACCTTCTGGAGCAGTCGAAAACCCGATTTAAACAAGAACTACAAGG
GATGAGTCTATCCAAAATCACCACCACCGTGGCCTAAACATCGGCACTGTGGATGTGGAAAGGCTCGG
CTCATGTTCTGGGACTTAGGAGGGCAGGAAGAGCTGCAGTCTTTGTGGACAAGTATTATGCGGAGTGTC
ACGGCGTCATCTACGTCATTGACTCCACCAGCAGGAGAGGCTGGCTGAGTCCAAGCAGGCGTTGAAGG
TGGTGACCAGCGAGGCGCTGTGCGGTGTCCCGTCTTGGTGTGGCCAACAAGCAGGATGTGGAGACGTG
CCTCTCAATCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236020 representing NM_001267544
Red=Cloning site Green=Tags(s)
MYTLLSGLYKYMFKDEYCILILGLDNAGKTFLEQSKTRFNKNYKMSLSKITTTVGLNIGTVDVGKAR
LMFWDLGGQEELQSLWDKYAACHGVIIYVIDSTDEERLAESKQAFEGGDQRGAVRCPRLAGQQAAGCGDV
PLNP

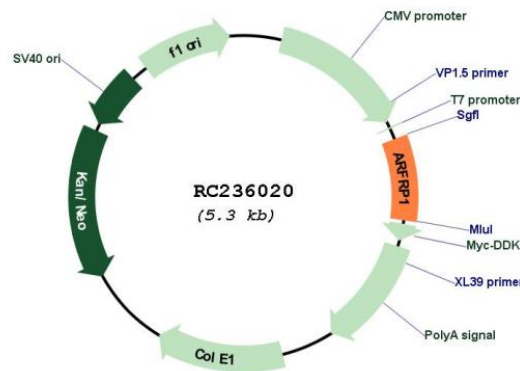
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001267544

ORF Size: 432 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:	<ol style="list-style-type: none">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:	<u>NM_001267544.3</u>
RefSeq Size:	2645 bp
RefSeq ORF:	435 bp
Locus ID:	10139
Cytogenetics:	20q13.33
MW:	16.5 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]