

Product datasheet for **RR204981**

Arfip2 (NM_001004222) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arfip2 (NM_001004222) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Arfip2
Synonyms: POR
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204981 representing NM_001004222
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACGGACGGGATTCTAGGGAAGGCAGCCACAATGGAGATCCCATCCACGAAATGGCGAGGCTGGGC
AGCTTCCTGAAGACGATGGGCTGGAGCAGGACCTCCAGCAGGTGATGGTGTCCAGGACCAACCTCAATGA
AACTAGCATTGTGTCTGGTGGCTATGGGGCTCTGGTGACGGACTCATCCCACAGGGTCTGGCCGCCAT
CCGTCTCAGACACCTCACCTTCTGGCCCTGGTGTGAGGTGGCCGAGGCATCGCTGGAGAAAAGTTTG
ACATTGTCAAGAAATGGGCATCAACACATATAAGTGCACAAAGCAGCTGTTATCAGAGAGATTTGGCCG
AGGCTCCCGACTGTGGATCTGGAGCTAGAGCTGCAGATTGAGTTGCTGCGTGAGACGAAGCGCAAGTAT
GAAAGTGTCTGCAGCTGGGCGGGCACTGACAGCCCACCTCTACAGCCTGTTGCAGACCCAGCATGCAC
TAGGTGATGCCTTTGCTGACCTCAGCCAGAAGTCCCCAGAGCTTCAGGAGGAATTTGGCTATAATGCAGA
GACACAAAAGCTGCTGTGCAAGAATGGGGAGACGCTGCTGGGGGCTGTCAACTCTTTGTCTCTAGCATC
AACACGCTGGTCACCAAGACCATGGAAGACACACTCATGACTGTCAAACAGTATGAGGCTGCCAGGCTGG
AATATGATGCCTACCGGACAGACTTAGAAGAGCTGAGCCTAGGGCCCCGGGATGCAGGACTCGTGCTCG
ACTTGAGAGTGCCCAAGCCACTTTCCAGACCCATCGGGACAAATATGAGAAGCTGCGGGGAGATGTGCC
ATCAAGCTGAAGTTCTGGAAGAAAACAAGATCAAGGTGATGCACAAGCAGTTGTGCTCTTCCACAATG
CCGTGTCTGCCTACTTCGCTGGGAACCAGAAAACAAGTGGAGCAGACTCTACAGCAGTTCAACATCAAGCT
GCGGCCTCCAGGAGCCGAGAAGCCTTCTGGTTAGAGGAGCAG

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204981 representing NM_001004222
 Red=Cloning site Green=Tags(s)

MTDGILGKAATMEIPIHNGEAGQLPEDDGLEQDLQQVMVSGPNLNETSIVSGGYGGSGDGLIPTGSGRH
 PSHSTSPSGPGDEVARGIAGEKFDIVKKWGINTYKCTKQLLSERFGRGSRVTDLELELQIELLRETKRKY
 ESVLQLGRALTAHLYSLLQTQHALGDAFADLSQKSPELQEEFGYNAETQKLLCKNGETLLGAVNFFVSSI
 NTLVTKTMEDTLMTVKQYEAARLEYDAYRTDLEELSLGPRDAGTRGRLESAQATFQTHRDKYEKLRGDVA
 IKLKFL EENKIKVMHKQLLLL FHNAYSAYFAGNQKQLEQLQQFNIKLRPPGAEKPSWLEEQ

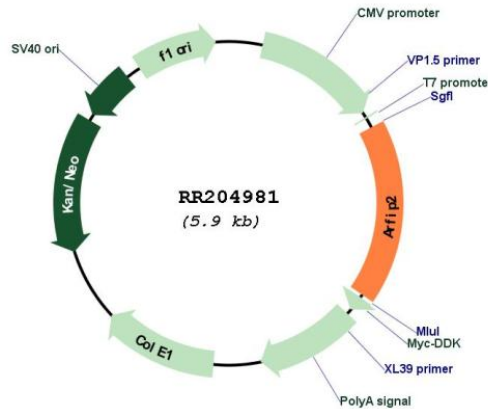
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004222

ORF Size: 1023 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:	NM_001004222.1 , NP_001004222.1
RefSeq Size:	1799 bp
RefSeq ORF:	1026 bp
Locus ID:	293344
UniProt ID:	Q6AY65
Cytogenetics:	1q32
MW:	37.8 kDa
Gene Summary:	Putative target protein of ADP-ribosylation factor. Involved in membrane ruffling (By similarity).[UniProtKB/Swiss-Prot Function]