

Product datasheet for **RR213500**

Arfip1 (NM_021763) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arfip1 (NM_021763) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Arfip1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213500 representing NM_021763
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAAGAATCTCCAAAAATTCTGCAGCGGAAATCCAGTAACTAGTAATGGGGAAGTTGGTGATG
CCCACGAACATGGCTATAATAGGGATTTGAAGCATTACCATCTGGACTTGGACTCTCAGAACTCA
AATTACATCTCATGGCTTTGACAGTACCAAAGAGGGGTTACTGAAGCAGGAGCATCCCAAGTTCCCTCA
GCACCACCTTTGCCATGTGTTCTGTCTCCAGCAGGGTGGCAGCTAGTCAGCTGACCCAGCACGCAGGTG
GCCAAAGAACACACACAAAAGGTGGACCAGTTATTTAGCAGATGAAATTAATAATCCTGCAATGGAGAA
GTTAGAACTTGTTAGAAAATGGAGTCTCAACACATATAAGTGTACTCGGCAAATATATCTGAGAACTA
GGCCGTGGCTCAAGAACCGTGGACCTTGAAGCTCAGATTGACATTAAGAGATAATAAGAAAA
AATATGAAAACATTCTGAACTGGCTCAGACCTTGTGACGCAGCTTTCCAGATGGTACATACCCAAAA
GCAACTTGGAGATGCATTTGCTGACCTGAGTTGAAGTCTCTAGAATCCACGAAGAATTTGGCTATAAT
GCAGATACACAGAAGCTGCTGGCTAAAAATGGAGAGACTCTTCTGGGGCCATTAATTTTTTTCATTGCTA
GCGTGAACACCTTGGTGAATAAAACAATTGAAGACACACTAATGACAGTAAAACAGTACGAGAACGCCAG
AATTGAATATGATGCATATCGCACTGATTTGGAAGAACTGAACCTTGGACCTCGTGATGCAAACTCTG
CCAAAAATTGAGCAGTCACGCATCTGTTCCAAATACACAAGGAAAAATATGACAAAATGCGCAGTGATG
TTTCTGTCAAATTTGAAATTTCTTGAGGAAAAAAGGTTAAGGTGTTACGCAATCAACTGGCCCTTTTCCA
CAGTGCTGTTGCTGCCTACTTTGCTGGGAATCAGAAGCAGCTTGAACAGACTCTCAAGCAGTTCCATGTC
AAATTGAAAACCCAGGAGTGGATGCCCGTCTTGGCTTGAAGAACAG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213500 representing NM_021763
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MAEESPKNSAAEIPVTSNGEVGDAHEHGYNRDLKHSPLPSGLGLSETQITSHGFDSTKEGVTEAGASQGSS
 APPLPCVLSPSRVAASQLTQHAGGQRTHTKGGPVILADEIKNPAMEKLELVRKWSLNTYKCTRQIISEKL
 GRGSRTVDLEEAQIDILRDNKKKYENILKLAQTLSTQLFQMVHTQKQLGDAFADLSLKSLELHEEFGYN
 ADTQKLLAKNGETLLGAINFFIASVNTLVNKTIEDTLMTVKQYENARIEYDAYRTDLEELNLGPRDANTL
 PKIEQSQHLFQIHKEKYDKMRSDVSVKLFLEENKVKVLRNQLALFHSVAAYFAGNQKQLEQTLKQFHV
 KLKTPGVDAPSWLEEQ

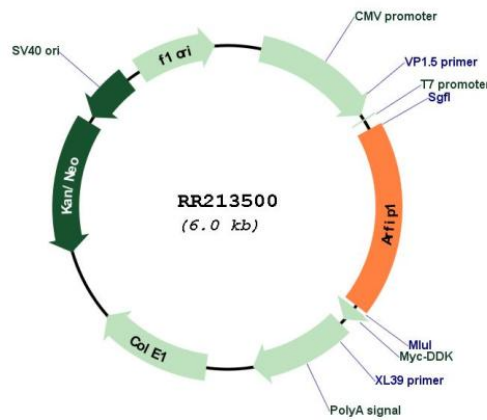
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_021763

ORF Size:	1098 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_021763.1 , NP_068531.1
RefSeq Size:	1713 bp
RefSeq ORF:	1101 bp
Locus ID:	60382
UniProt ID:	Q9JHU5
Cytogenetics:	2q34
MW:	40.8 kDa
Gene Summary:	human homolog binds ADP-ribosylation factor (ARF) and inhibits ARF dependent phorbol ester induced secretion of matrix metalloproteinase 9 [RGD, Feb 2006]