

Product datasheet for RC212711

ARFIP1 (NM_014447) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARFIP1 (NM_014447) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARFIP1
Synonyms:	HSU52521
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212711 representing NM_014447 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCAAGAATCTCCCAAAATTCAGCAGCAGAAATCCAGTGACTAGTAATGGAGAAGTTGATGACT
CTCGTGAACATAGCTTTAATAGGGATTTGAAGCATTTCATTACCATCTGGACTTGGTCTCTCAGAAACCCA
AATTACATCTCATGGCTTTGACAATACCAAGAGGGTGTATTGAAGCAGGAGCATTTCAGGTGGCCAG
AGAACACAGACAAAAAGTGGACCAGTTATTCTAGCAGATGAAATTAATAATCCTGCAATGGAAAAGTTAG
AACTTGTAGAAAATGGAGTCTAAACACCTATAAGTGTACTCGACAGATTATCTCTGAGAAGCTAGGCCG
TGGCTCAAGAAGTGTGGACCTTGAAGCTCAGATTGATATTAAGGGATAACAAGAAAAATAT
GAAAATATTTTAAACTGGCTCAAACATTTGTCGCCAGCTTTTCCAGATGGTACATACCCAAAGGCAAC
TTGGAGATGCATTTGCTGACCTGAGTTTGAAGTCACTAGAATTCATGAAGAATTTGGCTATAATGCCGA
TACCCAGAAACTGCTGGCTAAAAATGGAGAGACTCTTCTTGGGGCCATTAATTTTTTTCATTGCTAGTGTG
AACACTTTGGTGAATAAAACCATTAAGATACATTAATGACTGTGAAACAGTATGAAAGTCCAGGATTG
AATATGATGCATATCGCACTGATTTGGAAGAAGTGAATCTTGGACCACGTGACGCAAACTCTGCCAAA
GATTGAGCAGTCACAGCATCTCTCCAAGCACATAAGGAAAAATATGATAAAATGCGCAATGATGTTTCT
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CCATTGCCGCTTACTTTGCTGGGAATCAGAAGCAGCTTGAACAGACACTTAAACAGTTCCATATCAAATT
GAAAACCCTGGAGTGGATGCCCATCTTGGCTTGAAGAACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC212711 representing NM_014447
Red=Cloning site Green=Tags(s)

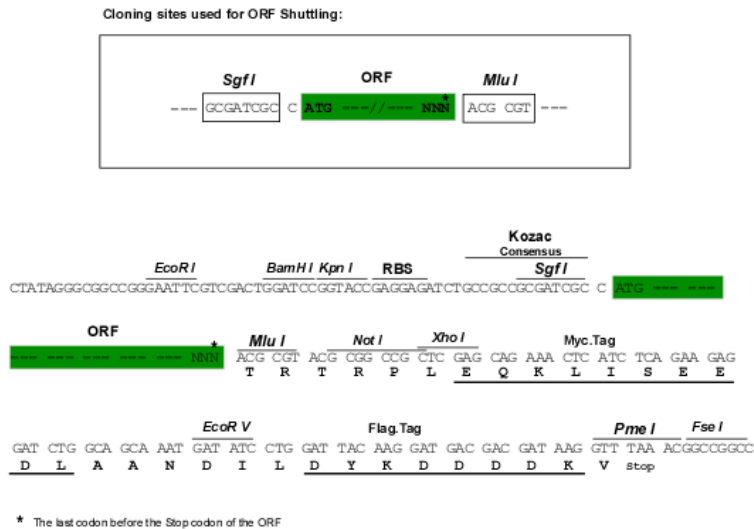
MAQESPKNAAEIPVTSNGEVDDSDREHSFNRLKHSPLPSGLGLSETQITSHGFDNTKEGVIEAGAFQGGQ
 RTQTKSGPVILADEIKNPAMEKLELVRKWSLNTYKCTRQIISEKLGSGSRTVDLELEAQIDILRDNKKKY
 ENILKLAQTLSTQLFQMVHTQRQLGDAFADLSLKSLELHEEFGYNADTQKLLAKNGETLLGAINFFIASV
 NTLVNKTIEDTLMTVKQYESARIEYDAYRTDLEELNLGPRDANTLPKIEQSQHLFQAHKEKYDKMRNDVS
 VKLKFLLEENKVKVLHNQLVLFHNAIAAYFAGNQKQLEQLKQFHKLKTPGVDAPSWLEEQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6487_h07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014447

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:

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_014447.3](#)

RefSeq Size: 2860 bp

RefSeq ORF: 1026 bp

Locus ID: 27236

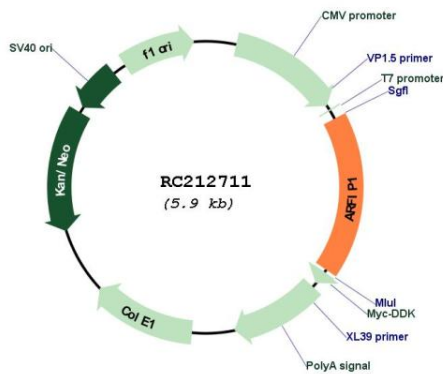
UniProt ID: [P53367](#)

Cytogenetics: 4q31.3

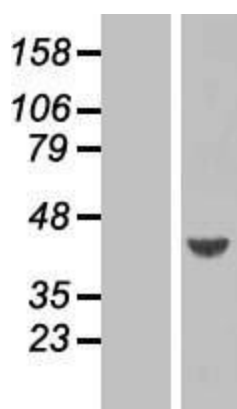
MW: 38.4 kDa

Gene Summary: Putative target protein of ADP-ribosylation factor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC212711



Western blot validation of overexpression lysate (Cat# [LY415271]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212711 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).