

Product datasheet for **RR215097**

Arf5 (NM_024149) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Arf5 (NM_024149) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Arf5
Synonyms: MGC105422
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >NM_024149 ORF sequence, RR215097 may differ due to SNPs.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGC
ATGGGCCTCACGGTGTCCGCGCTCTTTTCGCGGATCTTCGGGAAGAAGCAGATGCGGATCCTTATGGTT
GGCTTGGATGCGGCTGGCAAGACTACCATCCTGTACAACTGAAGTTGGGGGAGATTGTCACCACCATC
CCCACCATAGGCTTCAATGTGGAACAGTGGAATAAAGAACATCTGTTTCACAGTCTGGGATGTCGGA
GGCCAGGATAAGATTCGGCCTTTGTGGCGGCACTACTTCCAGAACACTCAGGGCCTCATCTTTGTGGTG
GACAGCAATGACCGGGAGCGGGTCCAGGAGTCTGCTGATGAACTCCAGAAGATGCTGCAGGAGGATGAG
CTTCGGGATGCGGTGCTGTTGGTGTTCGCAACAAGCAGGACATGCCCAATGCCATGCTGTGAGCGAA
CTGACTGACAAGCTGGGGCTTCAACACTTGCCTAGCCGCACGTGGTACGTCCAGGCCACCTGTGCCACC
CAAGGCACAGGCCTGTATGATGGTCTGGACTGGCTGTCCCATGAGCTATCAAAGCGC
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Protein Sequence: >Peptide sequence encoded by RR215097
 Blue=ORF Red=Cloning site Green=Tag(s)

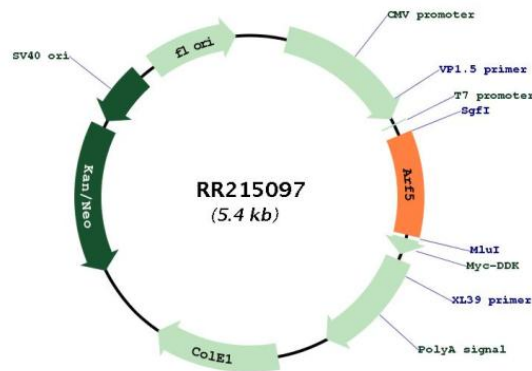
```
MGLTVSALFSRIFGKKQMRILMVGLDAAGKTTILYKLLKGEIVTTIPTIGFNVETVEYKNICFTVWDVG
GQDKIRPLWRHYFQNTQGLIFVVDSDNRERVQESADELQKMLQEDELRDVLLVFANKQDMPNAMPVSE
LTDKLGQLRLSRRTWYVQATCATQGTGLYDGLDWLSHELSKR
TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:

ACCN:

NM_024149

ORF Size:

540 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_024149.2
RefSeq Size:	1057 bp
RefSeq ORF:	543 bp
Locus ID:	79117
UniProt ID:	P84083
Cytogenetics:	4q22
MW:	20.5 kDa
Gene Summary:	may play a role in intracellular vesicular transport [RGD, Feb 2006]