

## Product datasheet for **RR207946**

### Arvcf (NM\_001131013) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arvcf (NM_001131013) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arvcf
Synonyms:	MGC188400
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR207946 representing NM\_001131013  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGACTGCAATGTGCATTCGCGCCAGCATTCTGGCCTCGGTGAAAGAACAGGAGGCCGATTTCG  
 AGCGGCTGACACGGGCACTAGAGCAAGAACGGCGCCACGTCGCCCTGCAGCTGGAGCGTGCCAGCAGCC  
 TGGCATGAGCAGTGGTGGTATGGTGGGCAGTGGGCGAGCCCTGCCAATGGCCTGGCAGCAGCTGGTTCTG  
 CAGGAACAGAGCCGGGTAGCCAGGCATCGCTGGCCACGATGCCAGAGGCACCTGAGGTGCTGGAGGAGA  
 CAGTGACTGTGGAGGAAGACCCTGGCACCCACCTCTCATGTATCCATTGTCACATCAGAAGACGGTAC  
 AACCCGGCGGACTGAGACTAAGGTCACTAAGACAGTCAAGACTGTGACCACAAGGACAGTCCGCCAGGTG  
 CCTTTGGTCCAGATGGACTCCCCTTGTAGATGGCGGCCCTCCTTTGGCTCTTTTGTGATGGCCCC  
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 AGGTGGCTTTCCGATGGCCCCAGCCCGTGATATTCCAAGCTACGGCAGCTTGTCCGAGGGCTTGGG  
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 GAGAAGCCTTCCCATGGGCTCAGAATCTGGACCACCAAGTGGCCGCTCTCTGCCTGAGCATTTCGAAGC  
 AGAGCCATATGGCCTGGAGGATGACACTCGGAGCCTGGCTGCAGATGATGAGGGCGGCCCGACCTGGAG  
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 CGCAAGGAGCCGCGCTGGAGGGACCCTGAGCTGCCGAGGTGCTGGCCATGCTGCCGACCCCGTGGACC  
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 CCGAGTGGACGACAGTCTTAAGAACACATCAGGCTGCCTGAGGAACGTGAGCTCAGATGGTGCAGAGGC  
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 CCAGCGTCGAGGGAAGGATGACGCCAGTGTCTTTGGTGGCAAGAAAGCGAAAGGGGAAGGATGCAGAG  
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 CGCAAGGAACGTGGGCTGCCAGTGTGGTGGAACTGCTACAGTCTGAGACCGACAAGGTGGTGGCTGCTG  
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 ACAGCACACTGCCACTGGTAGACAAGAACCTTGTGGGAGAACTCACTACTCGGGATGTGATCCCAT  
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 ATAGGCGACTCCTCTGAGAAGGAACTACTGAAAGGCCCTGGCCAGCTGTTTGTCTTCGGATCACATGG  
 AGGTAATTGGAAGAGGGCGTCTGGAACAGACCCAGTCTTGGGGCAGGAGCCCCACCCTCTGTGTTGG  
 GTTGGCAAGCCTTGTCTACCTTGCCTGCCCTCCTCTACTCTCC

**ACGCGT**ACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR207946 representing NM\_001131013  
 Red=Cloning site Green=Tags(s)

MEDCNVHSAASILASVKEQEARFERLTRALEQERRHVALQLERAQQPGMSSGGMVGSGQPLPMAWQQLVL  
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 PLGPDGLPLLDGGPPLGSFADGPLDRHYVLRGGGAATLSRAYLSSGGGFPDGPPEPRDIPSYGSLSRGLG  
 VRPRTGLLGPGPGDGCFTLPGRREAFPMGSESGPPSGRSLPEHFQAEPYGLEDDTRSLAADDEGGPDLE  
 PDYSTATRRRPEYGRGLRARALEDTADDTGELVEERPPFAATAPLAQPERGSLGSLDRVRRSPSVDST  
 RKEPRWRDPELPEVLAHLRHPVDPVKANAAAYLQHLCFENEGIKRRVRQLRGLPLLVALLDHPRAEVRRR  
 ACGALRNL SYGRDADNKA AIRDCGGVPALVRLRAARDNEVRELVTGTLWNLSSYEPLKMVIIDHGLQTL  
 THEVIVPHSGWEREPNEDSKPRDAEWTTVFKNTSGCLRNVSDDGAEARRRLRECEGLVDALLHALQSAVG  
 RKD TDNKS VENCVCIMRNL SYHVHKEVPGADRYQEVEPGIPGSAATSQRRRKDDASCFFGGKKAKGKDAE  
 ADRNFDTLDL PKRTEAAKGFELL YQPEVVRL YLSLLTESRNFNTLEAAAGALQNL SAGNWMWATYIRATV  
 RKERGLPVL VELLQSETDKVVRVAIAIRNL SLDQRNKDLIGSYAMTEL VRNVRNAQAPAHPSAHLEEDT  
 VVAVLNTHIEIVSDSLDNARSL LQARGVPALVAL VASSQSVREAKAASHVLQTVWSYKELRGALQRDGTW  
 KAHFQSASTAKGPKGTPNSGGFDDSTLPLVDKNLDGEKSTTRDVI PMDTLGPDGYSTVDRRERTLGSDS  
 IGDSSKELLKGPAPVCSSDHMEVIGRPSGTD PVLGPGAPPFCVGLAKPLVYLALPSSLLS

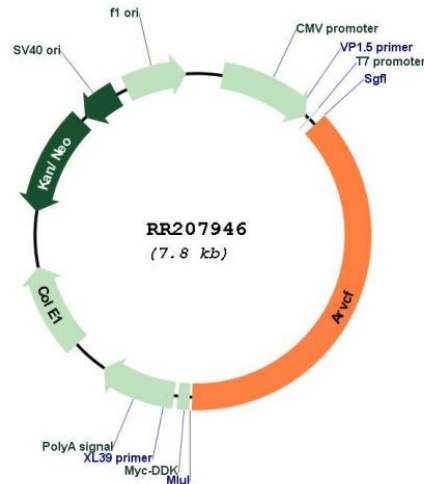
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_001131013

**ORF Size:** 2919 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\\_001131013.1](#), [NP\\_001124485.1](#)

**RefSeq Size:** 3887 bp

**RefSeq ORF:** 2922 bp

**Locus ID:** 303798

**Cytogenetics:** 11q23

MW: 105.5 kDa