

## Product datasheet for **MR211321**

### **Arvcf (NM\_033474) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Arvcf (NM_033474) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arvcf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR211321 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGGACTGCAACGTGCATTGCGCCGCCAGCATTTTGGCCTCGGTGAAGGAACAGGAGGCCCGTTTCG  
 AGCGGCTGACACGGGCACTAGAACAAGAACGGCGCCATGTTGCCCTGCAGCTGGAGCGTGCCAGCAGCC  
 TGGCATGAGCAGTGGTGGTATGGTGGGCAGTGGGCAGCCCTGCCAATGGCCTGGCAGCAGCTGGTTCTG  
 CAGGAGCAGAGCCCGGTAGCCAGGCATCGCTGGCCACGATGCCAGAGGCACCCGAGGACTGGAGGAGA  
 CAGTGACTGTGGAGGAAGACCCTGGCACCCACCTCTCACGTGCCATCGTCACATCAGAAGATGGTAC  
 AACCCGGCGGACTGAGACTAAGTCACTAAGACGGTCAAGACTGTGACCACAAGGACAGTACGCCAGGTG  
 CCTTTGGGCCAGATGGACTCCCCTTGGTGGACGGCGGCCCTCCACTGGCTCTTTTGTGACGGGCCCC  
 TGGACCGCATTACCTACTTCGTGGTGGTGGTCCAGCAGCCACACTCTCCGAACCTACCACAGCAG  
 TGGAGGTGGCTTCCCGATGGCCCGGAGTCCCGTGATATTCCAAGCTATGGCAGCTTGCCCGAGGGCTC  
 GGGGTACGGCCACCACGTAAGTGGCTCCTGGGCCAGGACCTGGTGGATGGCTGTTTCACACTGCCTGGCC  
 GCCGAGAAGCCTTCCCATGGGCTCTGAATCCGGACCACCAAGCGGCCGCTCTCTGCCTGAGCATTTC  
 AGCTGAACCATATGGCCTGGAGGATGATACACGGAGCCTGGTGCAGGATGATGAGGGTGGCCCCGACCTG  
 GAGCCTGACTATAGCACGGCAACCCGGAGAAGACCTGAGTACGGGCGGGCCCTTCGTGCCAGGGCCTTTG  
 AAGACACAGCAGATGATGCTGGTGGTGGTGAAGAGCGTCCCCATTTCCAGCAGCAACAGCCCTCT  
 GGCCAGCCTGAGAGGGGAGCCTGGGCAGCTTGGACCGAGTGTGCGGCGCTCACCTTCAGTGGATAGC  
 ACCCGAAGGAGCCACGCTGGCGGGACCCGAGCTGCCAGAGGTGTTGGCCATGCTGCGGCACCCCTGG  
 ACCCTGTGAAAGCCAATGCTGCAGCCTACCTGCAGCACCCTGCTTTGAGAAGCAGGGGATTAAGCGGCG  
 AGTGCAGGACGCTGCGTGGGCTCCCCCTGCTTGTGGCATTACTAGATCACCCCTCGGGCTGAGGTGCGGCGC  
 CGGGCCTGTGGGCACTGCGCAACCTCTCCTATGGCCGGGATACTGACAACAAGGCCCATCCGGGACT  
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 TGGCACACTCTGGAACCTGTCATCTACGAGCCCTGAAGATGGTTCATCATTGACCACGGCTTACAGACT  
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 ATGCCGAGTGGACAACAGTCTTCAAGAACACATCAGGCTGCCTGAGGAATGTGAGCTCAGATGGTGCAGA  
 GGCCCGGCGGCGACTCCGTGAGTGCAGGAGGCTGGTGGACGCTCTCTACATGCCCTGCAGTCACTGTG  
 GGCAGGAAAGACACAGATAATAAGTCAGTACAGAACTGTGTGTGCATCATGCGGAACCTGTCTACCACG  
 TGCACAAAAGAAGTTCAGGGGCTGACAGGTACAGGAGGAGAGCCTGGGATCCCGGGCAGCACAACCTC  
 CCAGCGACGAGGAAGGATGACGCCAGTGTCTTGGTGGCAAGAAAGCAAAGAGGAGTGGTTCCATCAA  
 GGAAGAAGGATGACAGAGATGGACCCGAACTTTGACACTGGACCTGCCTAAACGAACGGAGGCTGCAA  
 AAGGCTTCGAGCTGTGTACCAGCCGAGGTGGTACGTCTCTACCTCTCACTCTTACGGAGAGCCGGAA  
 CTTCAACACCCTGGAAGTGCAGCCGGTGCCTGCAAAACCTCAGTGTGGCAACTGGACGTGGGCCACG  
 TACATCCGTGCCACAGTGCAGCAAGGACGTGGGCTGCCAGTACTGGTGGAACTGCTACAGTCTGAGACCG  
 ACAAGTGGTGGCGCTGTAGCCATCGCGCTGCCAACCTCTCACTAGACCAGCGGAACAAAGACCTCAT  
 CGGGAGCTATGCCATGACAGAGCTGGTTCGGAATGTTTCGCAATGCACAGGCTCCCGCTCACCCAGTGC  
 CACTGGAGGAGGATACTGTGGTTGCCGTGCTCAACACCATCCATGAGATCGTGTCCGACAGCCTGGACA  
 ATGCTCGCTCCCTCCTGCAGGCCGTGGTGTGCCTGCCCTGGTAGCACTTGTGGCCTCCAGCCAGTCACT  
 GCGGGAGGCCAAGGCAGCATCACACGTGTACAGACTGTATGGAGCTACAAGGAGCTGCGTGGAGCCCTG  
 CAGAGGGATGGCTGGACGAAGTCAAGCTTCCAGTCTGCTAGCACTGCCAAAGGACCCAAAGGACACCAA  
 GTTCTGGCGGCTTTGATGACAGCACACTGCCACTGGTAGACAAGACCTTGTGGGAGAAAGTCAAACAC  
 CCGGGATGTGATCCCATGGATACCCTGGTCCAGATGGTTACGCCACAGTTGACCGGAGGGAGAGGAGG  
 AACTGGGCACTGACTCCACAGGGGACACCTCTGAGAAAGAACTATTGAGACCCGATCCTGGCAGGAAGG  
 CCCCTCCGCTGGGCCAGCAGGCCCTCGGTGAGGCTGGTGGACGCCGTGGGGGACACTAAGCCTACGCC  
 GTTGACTCCTGGGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211321 protein sequence  
 Red=Cloning site Green=Tags(s)

MEDCNVHSAASILASVKEQEARFERLTRALEQERRHVALQLERAQQPGMSSGGMVGSGQPLPMAWQQLVL  
 QEQSPGSQASLATMPEAPEVLEETVTVEEDPGTPTSHVSIPTSEDGTTTRRTETKVTKTVKTVTTRTVRQV  
 PLGPDGLPLLDGGPPLGSFADGPLDRHYLLRGGGPAATLSRTYHSSGGGFPDGPESRDIPSYGSLSRGL  
 GVRPRTGLLGPDPDGCFTLPGRREAFPMGSESGPPSGRSLPEHFQAEPYGLEDDTRSLAADDEGGPDL  
 EPDYSTATRRRPEYGRGLRARAFEDTADDAGELIEERPPFPAATAPLAQPERGSLGSLDRVRRSPSVDS  
 TRKEPRWRDPELPEVLAMLRHPVDPVKANAAAYLQHLCFENEGIKRRVRQLRGLPLLVALLDHPRAEVRR  
 RACGALRNL SYGRDNDKAAIRDCCGVPALVRLRAARDNEVRELVTGTLWNLSSYEPLKMVIIDHGLQT  
 LTHEVIVPHSGWEREPNEDSKPRDAEWTTVFKNTSGCLRNVSDDGAEARRRLRECEGLVDALLHALQSAV  
 GRKDTDNKSVENCVCIMRNL SYHVHKEVPGADRYQEAEPGIPGTTSSQRRRKDDASCFFGGKAKEEFHQ  
 GKDAEMDRNFDLTLPKRTEAAKGFELLYQPEVVRLYLSLLTESRNFNTLEAAAGALQNL SAGNWTWAT  
 YIRATVRKERGLPVELLQSETDKVVRVAIALRNL SLDQRNKDLIGSYAMTELVRNVRNAQAPAHPSA  
 HLEEDTVAVLNTIHEIVSDSLDNARSLQARGVPALVALVASSQSVREAKAASHVLQTVWSYKELRGAL  
 QRDGWTKSRLFQASASTAKGPKGTPSSGGFDDSTLPLVDKSLDGEKSNTRDVIIPMDTLGPDGYATVDRRERR  
 TLGSDSTGDTSEKELLRPDPGRKAPPPGSRPSVRLVDAVGDTKQPVDSSW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

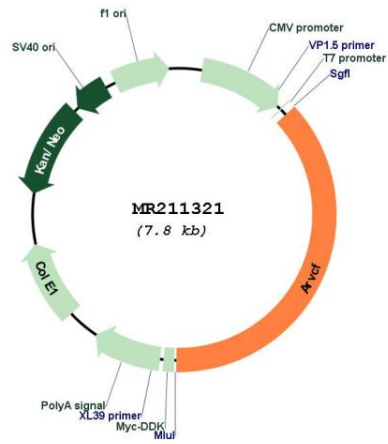


ACCN: NM\_033474

ORF Size: 2889 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_033474.3</a> , <a href="#">NP_258435.2</a>
<b>RefSeq Size:</b>	4738 bp
<b>RefSeq ORF:</b>	2889 bp
<b>Locus ID:</b>	11877
<b>UniProt ID:</b>	<a href="#">P98203</a>
<b>Cytogenetics:</b>	16 11.37 cM
<b>MW:</b>	105.1 kDa
<b>Gene Summary:</b>	Involved in protein-protein interactions at adherens junctions.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211321