

Product datasheet for **MR231347**

Arvcf (NM_001272031) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arvcf (NM_001272031) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Arvcf
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR231347 representing NM_001272031
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGGCGAACTCAGACAGGAGCAGAGCCCGGGTAGCCAGGCATCGCTGGCCACGATGCCAGAGGCAC
 CCGAGGTAAGTGGAGGAGACAGTACTGTGGAGGAAGACCCTGGCACCCACCTCTCACGTGCCATCGT
 CACATCAGAAGATGGTACAACCCGGCGGACTGAGACTAAGGTCACTAAGACGGTCAAGACTGTGACCACA
 AGGACAGTACGCCAGGTGCCCTTTGGGCCAGATGGACTCCCTTGTGGACGGCGGCCCTCCACTTGGCT
 CTTTTGCTGACGGGCCCTGGACCGCATTACCTACTTGTGGTGGTGGTCCAGCAGCCACACTCTC
 CCGAACCTACCACAGCAGTGGAGGTGGCTTTCCCGATGGCCCGAGTCCCGTGATATCCAAGCTATGGC
 AGCTTGTCCCGAGGGCTCGGGTACGGCCACCAGTACTGGCTCCTGGGCCAGGACCTGGTGATGGCT
 GTTTCACACTGCCTGGCCGCCGAGAAGCCTTCCCATGGGCTCTGAATCCGGACCACCAAGCGGCCGCTC
 TCTGCCTGAGCATTCCAAGCTGAACCATATGGCTGGAGGATGATACACGGAGCCTGGCTCGGGATGAT
 GAGGGTGGCCCCGACCTGGAGCCTGACTATAGCACGGCAACCCGAGAAGACCTGAGTACGGGGCGGGCC
 TTCGTGCCAGGGCCTTTGAAGACACAGCAGATGATGCTGGTGGAGCTGATAGAAGAGCGTCCCCATTTC
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 AGTCCCGTGGAGTGGTCACTGGCACACTCTGGAACCTGTATCCTACGAGCCCTGAAGATGGTCACTATT
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 GGAACCTGTCCTACCACGTGCACAAAGAAGTTCAGGGGCTGACAGGTACCAGGAGCGAGCCTGGGAT
 CCCGGGCAGCACAACTCCAGCGACGGAGGAAGGATGACGCCAGCTGCTTTGGTGGCAAGAAAGCAAAA
 GAGGAGTGGTCCATCAAGGGAAGAAGGATGCAGAGATGGACCGAACTTGGACACTGGACCTGCCTA
 AACGAACGGAGGCTGCAAAAGGCTTCGAGCTGCTGTACCAGCCGAGGTGGTACGCTCTACCTCTCACT
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 GACCCAAAGGGACACCAAGTTCTGGCGCTTTGATGACAGCACACTGCCACTGGTAGACAAGAGCCTTGA
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 GACCGGAGGGAGAGGAGGACTGGCAGTACTCCACAGGGGACACCTCTGAGAAAGAACTATTGAGAC
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 GGACACTAAGCCTCAGCCTGTTGACTCCTGGGTC

ACGCGTACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231347 representing NM_001272031
Red=Cloning site Green=Tags(s)

MPAELRQEQSPGSQASLATMPEAPEVLEETVTVEEDPGTPTSHVSIVTSEDGTRRTETKVTKTKVTVTT
RTVVRQVPLGPDGLPLLDGGPPLGSFADGPLDRHYLLRGGGGPAATLSRTYHSSGGGFPDGPESRDIPSYG
SLSRGLGVRPPRTGLLGPDPGDGCFLLPGRREAFPMGSESGPPSGRSLPEHFQAEPYGLEDDTRSLAADD
EGGPDLEPDYSTATRRRPEYGRGLRARAFEDTADDAGELIEERPPFPAATAPLAQPERGSLGSLDRVVRR
SPSVSDSTRKEPRWRDPELPEVLAMLRHPVDPVKANAAAYLQHLCFENEGIKRRVRQLRGLPLLVALLDHP
RAEVRRRACGALRNLSYGRDNDKAAIRDCCGGVPALVRLRAARDNEVRELVTGTLWNLSSYEPLKMVII
DHGLQTLTHEVIVPHSGWEREPNEDSKPRDAEWTTVFKNTSGCLRNVSSDGAEARRRLRECEGLVDALLH
ALQSAVGRKDDTKNSVENCVCIMRNLSYHVHKEVPGADRYQEAEPGIPGTTTQRRRKDDASCFGGKKAK
EEWFHQKKDAEMDRNFDTLDLPRTEAAKGFELLYQPEVVRLYLSLLTESRNFNTLEAAAGALQNL SAG
NWTWATYIRATVRKERGLPVLVELLQSETDKVVRVAIAIALRNLSLDQRNKDLIGSYAMTELVNRVNAQA
PAHPSAHLEEDTVAVLNTIHEIVSDSLDNARSLQARGVPALVALVASSQSVREAKAASHVLQTVWSYK
ELRGALQRDGTWTKSRFQSASTAKGPKGTPSSGGFDDSTLPLVDKSLDGEKSNTRDVIIPMDTLGPDGYATV
DRRERRTLGSDSTGDTSEKELLRPDPGRKAPPPGSRPSVRLVDAVGDTKQPVDSWV

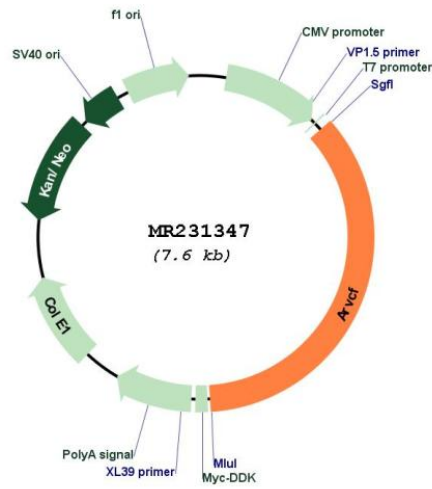
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001272031
ORF Size:	2694 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_001272031.1 , NP_001258960.1
RefSeq Size:	4330 bp
RefSeq ORF:	2697 bp
Locus ID:	11877
UniProt ID:	P98203
Cytogenetics:	16 11.37 cM
MW:	98.5 kDa
Gene Summary:	Involved in protein-protein interactions at adherens junctions.[UniProtKB/Swiss-Prot Function]