

Product datasheet for **MR231430**

Arvcf (NM_001272030) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arvcf (NM_001272030) 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:

>MR231430 representing NM_001272030
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGACTGCAACGTGCATTGCGCCGCCAGCATTTTGGCCTCGGTGAAGGAACAGGAGGCCCGTTTCG
 AGCGGCTGACACGGGCACTAGAACAAGAACGGCGCCATGTTGCCCTGCAGCTGGAGCGTGCCAGCAGCC
 TGGCATGAGCAGTGTTGGTATGTTGGGAGTGGGAGCCCTGCCAATGGCTGGCAGCAGCTGTTCTG
 CAGGAGCAGAGCCCGGTAGCCAGGCATCGCTGGCCACGATGCCAGAGCACCCGAGGACTGGAGGAGA
 CAGTGACTGTGGAGGAAGACCCTGGCACCCACCTCTCACGTGCCATCGTCACATCAGAAGATGGTAC
 AACCCGGCGGACTGAGACTAAGTCACTAAGACGGTCAAGACTGTGACCACAAGGACAGTACGCCAGGTG
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 TGGACCGCATTACCTACTTCGTGGTGGTGGTCCAGCAGCCACACTCTCCGAACCTACCACAGCAG
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 GCCGAGAAGCCTTCCCATGGGCTCTGAATCCGGACCACCAAGCGGCCGCTCTCTGCCTGAGCATTTC
 AGCTGAACCATATGGCTGGAGGATGATACACGGAGCCTGGTGCGGATGATGAGGGTGGCCCCGACCTG
 GAGCCTGACTATAGCACGGCAACCCGGAGAAGACCTGAGTACGGGCGGGCCCTTCGTGCCAGGGCCTTTG
 AAGACACAGCAGATGATGCTGGTGGTGGTGAAGAGCGTCCCCATTTCCAGCAGCAACAGCCCTCT
 GGCCAGCCTGAGAGGGGAGCCTGGGACGCTGGACCGAGTGTGCGGCGCTCACCTTCAGTGGATAGC
 ACCCGAAGGAGCCACGCTGGCGGGACCCGAGCTGCCAGAGGTGTTGGCCATGCTGCGGACCCCTGTGG
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 AGTGCGGACGCTGCGTGGGCTCCCCCTGCTTGTGGCATTACTAGATCACCCCTCGGGCTGAGGTGCGGCGC
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 CCAGCGACGGAGGAAGGATGACGCCAGTGCTTTGGTGGCAAGAAAGCAAAGGGGAAGAAGGATGCAGAG
 ATGGACCGGAACCTTGGACACTGGACCTGCCTAACGAACGGAGGCTGCAAAAGGCTTCGAGCTGCTGT
 ACCAGCCGGAGGTGGTACGTCTCTACCTCTCACTCCTTACGGAGAGCCGGAACCTCAACACCCTGGAAGC
 TGCAGCCGGTGCCTGCAAAACCTCAGTGTGGCAACTGGACGTGGGCCACGTACATCCGTGCCACAGTG
 CGCAAGGAACGTGGGCTGCCAGTACTGGTGGAACTGCTACAGTCTGAGACCGACAAGGTGGTGGCGCTG
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 ATCACACGTGCTACAGACTGTATGGAGCTACAAGGAGCTGCGTGGAGCCCTGCAGAGGGATGGTGGACG
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 GGATACCCTTGGTCCAGATGGTTACGCCACAGTTGACCGAGGGAGAGGAGGACTGGGCAGTGACTCC
 ACAGGGGACACCTCTGAGAAAGAACTATTGAGACCCGATCCTGGCAGGAAGGCCCTCCGCTGGGCCCA
 GCAGGCCCTCGGTAGGCTGGTGGACGCGTGGGGGACACTAAGCCTCAGCTGTGACTCCTGGGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231430 representing NM_001272030
 Red=Cloning site Green=Tags(s)

MEDCNVHSAASILASVKEQEARFERLTRALEQERRHVALQLERAQQPGMSSGGMVGSGQPLPMAWQQLVL
 QEQSPGSQASLATMPEAPEVLEETVTVEEDPGTPTSHVSIVTSEDGTTTRTETKVKTKVTVTTRTVRQV
 PLGPDGLPLLDGGPPLGSFADGPLDRHYLLRGGGPAATLSRTYHSSGGGFPDGPESRDIPSYGSLSRGL
 GVRPPRTGLLGPDPDGCFTLPGRREAFPMGSESGPPSGRSLPEHFQAEPYGLEDDTRSLAADDEGGPDL
 EPDYSTATRRRPEYGRGLRARAFEDTADDAGELIEERPPFPAATAPLAQPERGSLGSLDRVRRSPSVDS
 TRKEPRWRDPELPEVLAMLRHPVDPVKANAAAYLQHLCFENEGIKRRVRQLRGLPLLVALLDHPRAEVRR
 RACGALRNL SYGRDNDKAAIRDCCGVPALVRLRAARDNEVRELVTGTLWNLSSYEPLKMVIIDHGLQT
 LTHEVIVPHSGWEREPNEDSKPRDAEWTTVFKNTSGCLRNVSDDGAEARRRLRECEGLVDALLHALQSAV
 GRKDTDNKSVENCVCIMRNL SYHVHKEVPGADRYQEAEPGIPGTTSSQRRRKDDASCFFGGKKAKGKDAE
 MDRNFDTLDLPRTEAAKGFELLYQPEVVRLYLSLLTESRNFNTLEAAAGALQNL SAGNWTWATYIRATV
 RKERGLPVLVELLQSETDKVVRVAIAIRNLSLDQRNKDLIGSYAMTELVRNVRNAQAPAHPSAHLEEDT
 VVAVLNTIHEIVSDSLDNARSLQARGVPALVALVASSQSVREAKASHVLQTVWSYKELRGALQRDGTW
 KSRFQSASTAKGPKGTPSSGGFDDSTLPLVDKSLDGEKSNTRDVI PMDTLGPDGYATVDRRERTLGSDS
 TGDTSKELLRPDPGRKAPPPGSRPSVRLVDAVGDTKPQPVDSWV

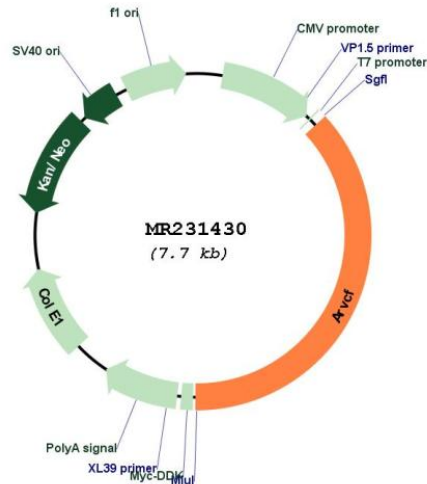
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001272030

ORF Size: 2868 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_001272030.1](#), [NP_001258959.1](#)

RefSeq Size: 4569 bp

RefSeq ORF: 2871 bp

Locus ID: 11877

UniProt ID: [P98203](#)

Cytogenetics: 16 11.37 cM

MW: 104.7 kDa

Gene Summary: Involved in protein-protein interactions at adherens junctions.[UniProtKB/Swiss-Prot Function]