

Product datasheet for **MG211321**

Arvcf (NM_033474) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arvcf (NM_033474) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Arvcf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG211321 representing NM_033474
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGACTGCAACGTGCATTTCGGCCGCCAGCATTTTGGCCTCGGTGAAGGAACAGGAGGCCCGTTTCG
 AGCGGCTGACACGGGCACTAGAACAAGAACGGCGCCATGTTGCCCTGCAGCTGGAGCGTGCCAGCAGCC
 TGGCATGAGCAGTGGTGGTATGGTGGGCAGTGGGCAGCCCTGCCAATGGCCTGGCAGCAGCTGGTTCTG
 CAGGAGCAGAGCCCGGTAGCCAGGCATCGCTGGCCACGATGCCAGAGGCACCCGAGGACTGGAGGAGA
 CAGTGACTGTGGAGGAAGACCCTGGCACCCACCTCTCACGTGCCATCGTCACATCAGAAGATGGTAC
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 GCCGAGAAGCCTTCCCATGGGCTCTGAATCCGGACCACCAAGCGGCCGCTCTCTGCCTGAGCATTTCCA
 AGCTGAACCATATGGCCTGGAGGATGATACACGGAGCCTGGTGCCGATGATGAGGGTGGCCCCGACCTG
 GAGCCTGACTATAGCACGGCAACCCGGAGAAGACCTGAGTACGGGCGGGCCCTTCGTGCCAGGGCCTTTG
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 GGAAGAAGGATGCAGAGATGGACCGGAACCTTTCACACTGGACCTGCCTAAACGAACGGAGGCTGCAA
 AAGGCTTCGAGCTGTGTACCAGCCGGAGGTGGTACGTCTCTACTCTACTCTTACGGAGAGCCGGAA
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 AACTGGGCACTGACTCCACAGGGGACACTCTGAGAAAGAACTATTGAGACCCGATCCTGGCAGGAAGG
 CCCCTCCGCTGGGCCAGCAGGCCCTCGGTGAGGCTGGTGGACGCCGTGGGGGACACTAAGCCTCAGCC
 TGTTGACTCCTGGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211321 representing NM_033474
 Red=Cloning site Green=Tags(s)

MEDCNVHSAASILASVKEQEARFERLTRALEQERRHVALQLERAQQPMSSGGMVGSGQPLPMAWQQLVL
 QEQSPGSQASLATMPEAPEVLEETVTVEEDPGTPTSHVSIPTSEDGTRRTETKVTKTVKVTTRTRVRQV
 PLGPDGLPLLDGGPPLGSFADGPLDRHYLLRGGGPAATLSRTYHSSGGGFPDGPESRDIPSYGSLSRGL
 GVRPPRTGLLGPDPDGCFTLPGRREAFPMGSESGPPSGRSLPEHFQAEPYGLEDDTRSLAADDEGGPDL
 EPDYSTATRRRPEYGRGLRARAFEDTADDAGELIEERPPFPAATAPLAQPERGSLGSLDRVRRSPSVDS
 TRKEPRWRDPELPEVLAMLRHPVDPVKANAAAYLQHLCFENEGIKRRVRQLRGLPLLVALLDHPRAEVRR
 RACGALRNL SYGRDNDKAAIRDCCGVPALVRLRAARDNEVRELVTGTLWNLSSYEPLKMVIIDHGLQT
 LTHEVIVPHSGWEREPNEDSKPRDAEWTTVFKNTSGCLRNVSDDGAEARRRLRECEGLVDALLHALQSAV
 GRKDTDNKSVENCVCIMRNL SYHVHKEVPGADRYQEAEPGIPGTTSSQRRRKDDASCFFGGKAKEEWFHQ
 GKDAEMDRNFDLTLDPKRTEAAKGFELLYQPEVVRLYLSLLTESRNFNTLEAAAGALQNL SAGNWTWAT
 YIRATVRKERGLPVLVELLQSETDKVVRVAIALRNL SLDQRNKDLIGSYAMTELVRNVRNAQAPAHPSA
 HLEEDTVAVLNTIHEIVSDSLDNARSLQARGVPALVALVASSQSVREAKAASHVLQTVWSYKELRGAL
 QRDGWTCSRFSASTAKGPKGTPSSGGFDDSTLPLVDKSLDGEKSNTRDVIIPMDTLGPDGYATVDRRERR
 TLGSDSTGDTSEKELLRPDPGRKAPPPGSRPSVRLVDAVGDTKQPVDSSW

TRTRPLE - GFP Tag - V

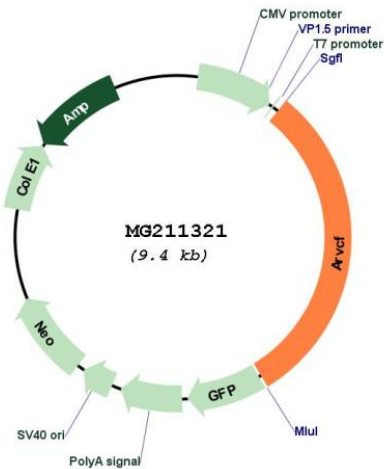
Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:


ACCN: NM_033474

ORF Size: 2886 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_033474.3](#), [NP_258435.2](#)

RefSeq Size: 4738 bp

RefSeq ORF: 2889 bp

Locus ID: 11877

UniProt ID: [P98203](#)

Cytogenetics: 16 11.37 cM

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