

Product datasheet for **SC315001**

ARVCF (NM_001670) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARVCF (NM_001670) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARVCF
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

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>OriGene ORF sequence for NM_001670 edited
ATGGAGGACTGCAATGTGCACTCGGCCCGCCAGCATCCTGGCCTCGGTGAAGGAGCAGGAG
GCCCGCTTCGAGAGGCTGACACGGGCACTGGAGCAGGAGCGGCCCATGTTGCCCTACAG
CTGGAGCGTGCCAGCAGCCTGGCATGGTCAGTGGTGGCATGGGCAGTGGGCAGCCCTG
CCAATGGCCTGGCAACAGCTGGTCTCCAGGAGCAGAGCCAGGCAGCCAGGCCTCACTG
GCCACGATGCCGGAGGCACCTGATGTGCTGGTGGAGGAGACCGTGACGGTGGAGGAGACCC
GGCACACCCACTTCCCATTGTGTCTATTGTAACATCCGAAGATGGCACAACCCGGCGCACC
GAGACCAAGGTACCAAGACTGTCAAGACGGTGACCACTCGGACAGTACGCCAGGTGCC
GTGGGCCAGATGGACTCCCCCTGCTGGATGGCGGCCCCCACTAGGCCCTTTTGCAGAT
GGTGCCCTGGACCGGCATTTCTGCTGCGTGGTGGTGGCCAGCGGCCACACTCTCTCGA
GCCTACCTCAGCAGTGGGGTGGCTTTCCGAAGGCCCGAGCCCGGGACAGCCCAAGC
TATGGCAGCTGTCCGAGGGCTGGGCATGCGGCCCCACGTGCTGGCCCTTTGGCCCA
GGCCCTGGTATGGTGTCTCACACTGCCTGGCCACCGGAAGCCTTCCCGTGGTCTCT
GAGCCTGGGCCACAGGTGGCCGCTCCCTGCCCGAGCGCTTCCAGGCAGAGCCGTATGGC
TTGGAGGATGACACGCGCAGCCTGGCCGCTGATGACGAGGTGGCCCTGAGCTGGAGCCT
GACTATGGCACGGCCACAAGGAGGAGGCCTGAGTGTGGCGGGGCTTACATACCAGGGCC
TACGAGGACACAGCAGATGATGGCGGCGAGCTGGCGGACGAGCGGCTGCGTTCCCAATG
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CGGCGCTCGCCCTCAGTGGATAGCGCCCAAGGAGCCGCGTGGCGGGACCCCTGAGCTG
CCTGAGGTGCTGGCCATGCTGCGGCACCCCGTGGACCCCGTGAAGGCCAATGCGGCCGC
TACCTGCAGCATCTGTGCTTTGAGAACGAGGGTGTCAAGCGGCGTGTACGGCAGTTGCGG
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TGTGGGCACTGCGCAACCTCTCTATGGCCGCGACACTGACAACAAGGCCGCCATCCGG
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CGTGAGCTTGTACTGGCACCCCTGTGGAACCTGTATCCTATGAGCCCTGAAGATGGTC
ATCATTGACCATGGCCTGCAGACGCTGACCCACGAGGTGATCGTGCCCACTCAGGATGG
GAGCGTGAGCCCAACGAGGACTCCAAGCCACGGGACGCCGAGTGGACAACGTCTTCAAG
AACACGTGGGCTGCCTGAGGAATGTGAGCTCCGATGGTGTGAGGCCCGGCGGCGACTC
CGGGAGTGTGAAGGGCTGGTGGACGCGCTCCTGCATGCCCTGCAGTGGCTGTGGCCGG
AAGGACACTGACAACAAGTGGTGGAGAACTGCGTGTGCATCATCGGAACCTGCTCTAC
CACGTGACAAGGAGGTGCCCGGGCCGACAGGTACCAGGAGGCCGAGCCGGGCCCTG
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AAGGCCAAAGAGGGAAAGAAGGATGGTGAAGTGGACCGGAACCTTTCACACGCTAGACCTG
CCCAAGCGAACTGAGGCCGCAAAGGCTTTGAGCTGCTGTACCAGCCGAGGTGGTACGT
CTCTACCTCTCCCTCCTCACGGAGAGCCGGAACCTCAACACCCTGGAGGCTGCCGCCGGC
GCTCTGCAGAACCTCAGTGCCGGCAACTGGATGTGGGCCACGTACATCCGCGCCACAGTG
CGCAAAGAGCGCGGGCTGCCGGTGTGTGGAACCTGTGCAGTCTGAGACCGACAAGGTG
GTGCGCGCCGTCGCCATCGCTCTGCGCAACCTCTCGCTGGACCGGCGCAACAAAGACCTC
ATCGGGAGCTACGCCATGGCTGAGCTTGTGCGGAATGTGCGCAATGCACAGGCTCCGCGG
CGACCGGGGCTGCCTGGAGGAAGACACCGTGGTGGCGGTGCTCAACACCATCCACGAA
ATCGTGTCCGACAGCCTGGATAACGCGCCTCGCTCCTGCAGGCACGCGGGTGGCAGCG
TTGGTGGCTCTCGTGGCCTCCAGCCAATCGGTACGCGAAGCGAAGGCGGCGTACACGCTG
CTGCAGACAGTGTGGAGCTACAAGGAGCTGCGTGGTACCTTGCAGAAAGATGGTTGGACC
AAGGCGGCTTCCAGTCACTGCTGCTACTGCAAGGGGCTAAGGGAGCACTGAGTCTT
GGGGCTTCGATGACAGCAGCTGCCACTGGTGGACAAGACCTTGGGGCGAGAAAACCT
GGCAGCCGGGATGTGATCCCATGGATGCGCTGGGCCAGACGGATACTCCACGGTGGAC
CGGAGGGAGCGGAGGCCACGGGGCGCCAGCTCTGCAGGAGAGGCCTCTGAGAAGGAACCC
TTGAAACTCGACCCAGCAGGAAGGCCCTCCCCCGGGCCAGCAGGCCCGCGTCAAG
CTGGTGGACCGCTAGGGGACGCTAAGCCTCAGCCGTTGATTCTGGTCTAG
    
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Restriction Sites:

Please inquire

ACCN:

NM_001670

Insert Size:	3800 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001670.1 , NP_001661.1
RefSeq Size:	4031 bp
RefSeq ORF:	2889 bp
Locus ID:	421
UniProt ID:	O00192
Cytogenetics:	22q11.21

Gene Summary:

Armadillo Repeat gene deleted in Velo-Cardio-Facial syndrome (ARVCF) is a member of the catenin family. This family plays an important role in the formation of adherens junction complexes, which are thought to facilitate communication between the inside and outside environments of a cell. The ARVCF gene was isolated in the search for the genetic defect responsible for the autosomal dominant Velo-Cardio-Facial syndrome (VCFS), a relatively common human disorder with phenotypic features including cleft palate, conotruncal heart defects and facial dysmorphism. The ARVCF gene encodes a protein containing two motifs, a coiled coil domain in the N-terminus and a 10 armadillo repeat sequence in the midregion. Since these sequences can facilitate protein-protein interactions ARVCF is thought to function in a protein complex. In addition, ARVCF contains a predicted nuclear-targeting sequence suggesting that it may have a function as a nuclear protein. [provided by RefSeq, Jun 2010]