

Product datasheet for **RC239833**

ARMC5 (NM_001301820) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARMC5 (NM_001301820) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ARMC5
Synonyms:	AIMAH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC239833 representing NM_001301820
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCACCGCCCGCACGTCCCAGGATGCGCTGCGATTAAGTTCCGCTCCCTGGGATCAGCGCGGAGAAGCG
 GGGCGGAGTCTGAGGCCGAGCCAAGATGGCGGCTGCGAAGCCAACCCTACGGACTCGCTCTGTTCTG
 CCTCGCGCAGCTCGCGGCGGCGCCGGGAGGCTCTGGGTGGGAAAAGGACCCAGCGACCAACGAGACA
 CCCCTGAGCCGCGCTCCTAGCCCTCCGACGCGCCACATCAAGGCAGCGGGGGAATCGAGCGTTCC
 GGGCACGCGGCGGCTCCGCCCTACTCGCGTGTACGGCGAGCGGCTGCAGCGGTTCCGCCCGTC
 CCAGGCAGGCCCGGCTCCGCCCTCGTCGGCCGCTCGGGAGCTTCTAGCCCCCCCCCGCTCGGGC
 CCCGCCCTCCGCTGTGTGTGTCTAGTCTACGCCAGTGCCTGCGCAAGACGCTGGACTTGG
 CGCTCAGCATCTAGCCGATTGCTGTACGGAAGGGGCTGCCGGACCGAAGTGCAGACTCGGAGGCAT
 ACTCCCTTTGGTACCATTCTTCACTGATGAAGACAGACAGCATCCAGAACCAGCGCCCGTGCCTG
 GGGAACTTAGCCATGAACTGAGAGCTGTGGGACATCCACTGTGCTGGTGTGTTCCCTGCTTGTGG
 AGAGCCTGACAGCCTGCCAGGACTCGCAGTGCCTACAGAGCGTGGTGCCTCCGTAACCTGGCAGA
 CTCACCCAGCACCGCTGGCCTTGGCACAGCAGGGAGCAGTGCCTCCGCTGGCCGAGCTCTGGCCACT
 GCCCAGATGCTGACTGACCTTAGCCCTCGTCCGTGCCCTCCTGGAACCTCAGCCGAGGCTGCTCCCGG
 CCTGTGCTGAGCAGCTAAGTCTGGGTGGGGATTGGGCCACTCGTCAGCCTGGCTTCCACCCCAAGCG
 GGCAGTACGCGAGGGAACATTCTGATCCTCGCAACCTGTGTGCCAGGGCTGATTCGGCCTGCACTG
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 CGGGGATGCTGGTGGCTTGGATCTACTGATGGCCTGCTGCGGGACCCTCGTGCAAGCGCATGGCACCT
 CGTATTGTGGCTGCCCTTGTGGGTTTCTGTATGACACTGGGGCCCTGGGCCGGCTGCAGGCTCTGGGAC
 TTGTGCCTCTCCTGGCTGGGAGCTGTGTGGTGGGCTGGTGGAGGGAAGAAGAGGGAAGAGAAGCTGC
 TTCCTGGGACTTCTGAGGAGAGGACCCTGAGCGGGCACAGGGTGAAGCTTCCGGAGCCTCAGGTGCG
 TGGCTGATCTCCGAGGGCTATGCCACAGGCCCTGATGACATCTCCCCGACTGGTCTCCTGAGCAGTGC
 CGCCGGAGCCATGGAGCCGGCCAGCCCGCCCGACCCGACCTCGCTGCGGGCACCACGACCCCAACG
 CACTCCGGCCGAGCCCGCCCGCCCATCGAGGAGCCTTGGGACGCGAAGGGCCAGCCCTGCTGCTG
 CTGTGCGCTTTTCCAGCCCTGACCCAAGTGGGGCACTTGTGACCGCCCGGCGCTGTACGGCTGC
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 GGGGTGGCGCCTGACGATTGGCCGGCACACGTGCCCGGCCACTCTCCACAGCCGGCACCGAGAGCTGG
 GGGAGAGGCTACTGCAGAACCTGACGGTTCAAGGCTGAGTGCCTTTGGGGTTGGGGCCCTGACGCACCT
 GCTGCTCTCTGGGAGCCCTGAGGACCGAGTGGCTGCGGCTGACCTGCCCTTCATCTGCCGAAGCCC
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 TGTGAGCCAGCTGTCCACAGGCAGTCCCATGGACCTAGACTACCTTCCCCTCATGAACCT
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 GGTGTGCGGGGTGTGGGCTGCCCTGGGGCCGTGCCCCACCAGGCCAGCCCTGCTGGGTTCCAGAGG
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 CGGCTGGCTGCCACTGTGCCGCTGGACTGGGTGAGCAGTGCAGGAAAGCGGGTCTGGCC
 TGGTGGGCTTGTGGAGCAGCAGGTGAAGAGGAGGGCCCTGACGGAGCTTGTGCTGTGGTGTGAT
 GGGGATTGAGTTGGGGCAAGGGTCCCTGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239833 representing NM_001301820
 Red=Cloning site Green=Tags(s)

MHRPHVPGCAAIKFRSLGSAARSGAESEARAKMAAAKPTLTDSL SFCLAQLAAAAGEALGGEKDPATNET
 PLSRALLALRTRHIKAAGGIERFRARGGLRPLLALLRRAAAGSAPSQAGPGSAPSSAASGASSPAPASG
 PAPSAVSSSPTPPVRLRKTLDLALSILADCCTEGACRTEVRRLLGGILPLVTILQCMKTDSIQNRTARAL
 GNLAMEPESCGLDHCAGAVPLL VESLTACQDSQCLQSVVRALRNLADSPQHRLALAQQGAVRPLAELLAT
 APDAALTLALVRLLELSRGCSRACAEQLSLGGGLGPLVSLASHPKRAVREGTILILANLCAQGLIRPAL
 GNAGGVEVLVDELRRQRRDPNGASPTSQQPLVRAVCLLCREAINRARLRDAGGLDLLMGLLRDPRASAWHP
 RIYAALVGFLYDTGALGRLQALGLVPLLAGQLCGEAGEEEEEEGREASWDFPEERTPERAQGGSFRSLRS
 WLISEGYATGPDDISPDWSPEQCPPEPEMESPAPTPTSLRAPRTQRTQGRSPAAAIEEPWGREGPALLL
 LSRFSQAPDPSPGALVTGPALYGLLTYVTGAPGPPSPRALRILSRLTCNPACLEAFVRSYGAALLRAWLVL
 GVAPDDWPAPRARPTLHSHRELGERLLQNLTVQAESPFVGVGALTHLLL SGSPEDRVACALTLPFICRKP
 SLWRRLLLEQGLRLLLAALTRPAPHPLFLFFAADSLSCLQDLVSPTVSPAVPQAVPMDLSPSPCLYEP
 LLGPAPVPAPDLHFLDLSGLQLPAQRAASATASPFRRALLSGSF AEAQMDLVPLRGLSPGAAPVHLHHLH
 GCRGCGAALGPVPPGQPLL GSEAEAELEAAGRFLLPGL EEELEEA VGR IHLGPQGGPESVGEVFR LGRP
 RLAAHCA RWTLGSEQCRKRLALVGLVEAAGEEAGPLTEALLAVVMGIELGARVPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

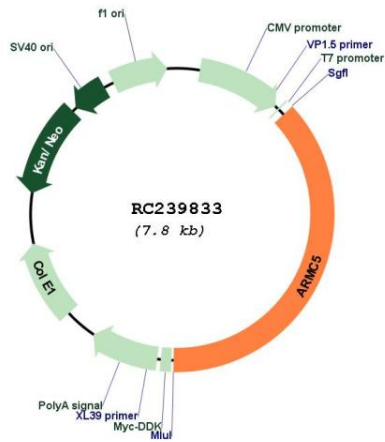


ACCN: NM_001301820

ORF Size: 2901 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_001301820.1 , NP_001288749.1
RefSeq Size:	3664 bp
RefSeq ORF:	2904 bp
Locus ID:	79798
UniProt ID:	Q96C12
Cytogenetics:	16p11.2
MW:	101.5 kDa
Gene Summary:	This gene encodes a member of the ARM (armadillo/beta-catenin-like repeat) superfamily. The ARM repeat is a tandemly repeated sequence motif with approximately 40 amino acid long. This repeat is implicated in mediating protein-protein interactions. The encoded protein contains seven ARM repeats. Mutations in this gene are associated with primary bilateral macronodular adrenal hyperplasia, which is also known as ACTH-independent macronodular adrenal hyperplasia 2. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2014]

Product images:



Circular map for RC239833