

Product datasheet for **RR213148**

Armc5 (NM_001009455) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Armc5 (NM_001009455) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Armc5
Synonyms:	MGC94568
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR213148 representing NM_001009455
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGCTGCGAGACCGCCCTTACGGACTCGCTCTCGTTTTGCCTCGGCAACTCACGGCAGCGGCCG
 GGGAGGGGCCAGGTGGGGAAAGGACCCAGCTACCAACGAGACAGCCCTGGGCCGCTGCTTTAGCTCT
 TCGCACGCGCCACATCAAGGCAGCAGAGGGAATTGAGCGCTTCCGGGCACGCGCGGGCTCCGCCCCCTT
 GTCGCCCTGCTACGCCGAACGGCTGCTGCGGGCCCGCCCGTCCCAAGCAGCCTCTGGCTCCGCCCTC
 CGTCGGTTGCGTCAGCTGGTTCTCCCTGGCCCCGCCCGCTGCTGAGTCGCCTTTGACTCTTTCGGC
 GCCAATGCGCCTGCGCAAGACGCTGGATTTGGCGCTCAGCATTCTAGCCAAGTGTACAGAAGGGGCG
 TGCCGGTCTGAAGTGCCTAGAATTGGAGGCATTCTCCCTTTGGTGACCATTCTTCAGTGTGTGAGGATAG
 ACAGCATCCAGAACCGAACGCCGTGCTCTGGGGAAGTCCAGTGGAGCCTGAGAGCTGCGGGGACAT
 CCACTCTGCTGGGGCTGTCCCTTTCTGTTGAGAGCCTTACTGCCTGCCAGGACTCACAGTGCCTACAG
 AGCATAGTTCTGCCCTCCGCAACTTGGCAGACTACCCAGCACCAGCCTAGCCCTGGCAGCAAGGAG
 CAGTGGCGCCACTGGCCGAGCTCCTGGCTACTGCCCCAGACCCTGCACTGACCTCAGCCCTAGTCCGTGC
 TCTCTTGAAGTACAGCCGAGGCTGTTCCCGAGCCTGTGCTGAGCAGCTAAGTCTGGGTGGGGACTGGGC
 CCCTTGTGAGCCTGGCTTCTACCCTAAGCGGCAATACGTGAGGCAGCCATTCTGATCCTTGCCAATC
 TGTGTGCTCAGGGCCTGGTGCAGCTGCACTGGGCAATGCTGGTGGTGTGGAGGTGTTACTAGGTGAGCT
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 TTATGCCGGGAAGCCATCAACCGGGCTCGGCTTCGGGATGCTGGTGGTTGGAGCTGCTGATGGGTCTAT
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 TGGGGCCTTGGCAAGTTACAGGCTCTGGGACTGTACCTCTTCTGGCCAGGCAGCTATGTGGTGAAGCT
 GGCAAGAGGAAGAAGAAGGAGTGAAGCTGCTTCTGGGACTTCCCGAGGAACGGACCTTGGGCAGC
 CGGAGGGAGGAAGCTTCCGAAGCCTCAGGTTGTGGCTGATTTCTGAGGGTATGCAGCAGGCCCTGGAGA
 TATCTCCCGAGATTGGTCTCCTGAGCGTTGTCCGATGCCAGAGCCATCTGAGTCAGTCAGTCCACCCCT
 GGCCAGACCTCAATGTCGACACCCCGCACACTTCGCAACTGGGCCGTGTCCCTGCTGCCACTACTGAGG
 AGCCTTGGGGCAAGAGGGGCCAGCACTGTTGCTGTTGTACGCTTCTCCAGGCTCCTGACCCAAGTGG
 AGCTCTAGTGACTGGTCCAGCACTGTGTGGCTGTTGGCCTATGTGACAGGTGCACCGGGACCACCAAC
 CCAGTGCAGTGGTATCTTGGCAGCCTCACCTGTAACCCTGCGTGCCTTGAGGCTTTGTGCGCAGTT
 ATGGTGCAGCACTGCTGGTGCCTGGCTGGTCCCTCGGTGTCTCACCAGATGACTGGCCTGTGCCACATGC
 CCGGCCTGTACACCGAAGCCAGCACCGAGAGCTGGGTGAGATGCTGCTGCAGAACCTGACTGTCCAAGCT
 GAGTCCCCCTTCGGAGTGGGCGCCCTCACCCACCTGCTGCTCTCTGGGAGCCCTGAGGACCGTGTAGCCT
 GTGCACTACCCGTACCCTTATCTGCCGGAAGCCCACTCTGTGGCGCCGCTTACTTCTGGATCAGGGTGG
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 AACTGGACTCACCTCCCCTGCCTCTACAAACCTCTGCTGGTCCAGCCCTGCCAGCTCCTGACCT
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 TTCCGGGCCCTGCTATCCGGCAGCTTGTGTAAGCCAGATGAATTTGGTGCCTTTCGAGGCTGTCCC
 CTAGTGCAGCGTGGCCTGTCTACACCATTTGCATGGCTGCCGGGGCTGTGGGGTGTCTCTGGGACCTAT
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 CTGCTGCACTAGAGGAAGAGCTAGAAGAAGCTGTTGGCCGATCCACTTGAAGTCCAGGGTGGCCAG
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 GGGCCCTCACTGAGGCTTGTGGCTGTGTAATGGGGTTGAGTCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213148 representing NM_001009455
 Red=Cloning site Green=Tags(s)

MAAAPAL TDSL SFCLAQLTAAAGEGPGGGKDPATNETALGRVLLALRTRHIKAAEGIERFRANGGLRPL
 VALLRRTAAAGPAPSQAASGSAPPSVASAGSSPGPAPAAESPLTLSAPMLRKTLDLALSILANCCTEGA
 CRSEVRRITGGILPLVTILQCVRIDSIQNRARALGNLAMEPESCGDIHSAGAVPFLVESLTACQDSQCLQ
 SIVRALRNLADSPQHRLLAQAQGVRLAELLATAPDPALTSALVRALLELSRGCSRACAEQLSLGGGLG
 PLVSLASHPKRAIREAAITLILANLCAQGLVRPALGNAGGVEVLLGELRRRRGSPSGSSASQQPLVRAVCL
 LCREA INRARLRDAGGLELLMGLLQDPGASAWHPRVVAALVGFLYDTGALGKLQALGLVPLLARQLCGEA
 GEEEEEGVEAASWDFPEERTSGQPEGGSFRSLRLWLISEGYAAGPGDISPDWSPERCPMPEPSESVSPTP
 GQTSMTSPRTLRLKLRVPAATTEEPWQEGPALLLLSRFSQAPDPSPGALVTGPALCGLLAYVTGAPGPPN
 PRALRILARLTCNPACLEAFVRSYGAALLRAWLVLGVSPDDWPVPHARPVHRSQHRELGEMLLQNLTVQA
 ESPFGV GALTHLLL SGSPEDRVACALTVPFICRKPTLWRRLLLDQGLRLLL TALTQPAPHPLFLFFAAD
 SL SCLQLVSPSASPVPLPDLPLELDSPSPCLYKPLLGPAPAPADLHFVLD SGLQLPAQRAASAAASP
 FRALLSGSFAEAQMNLVPLRGLSPSAAWPVLLHHLHGCRGCGAALGPIPPPQPLLGSKAEAELEAAGRFL
 LPALEEEEEEAVGRIHLS PQGGPESVGEV FRLGRPRLAAH CARWLEPGQCPRKRALALTGLVEAAGEEA
 GPLTEALLAVVMGVES

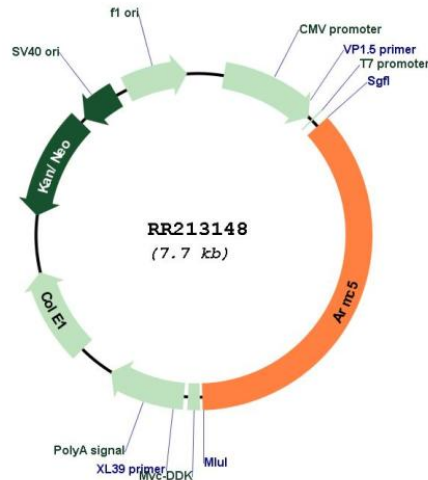
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001009455

ORF Size: 2778 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_001009455.1](#), [NP_001009455.1](#)

RefSeq Size: 3289 bp

RefSeq ORF: 2781 bp

Locus ID: 361653

UniProt ID: [Q5PQP9](#)

Cytogenetics: 1q37

MW: 96.6 kDa

Gene Summary: Involved in fetal development, T-cell function and adrenal gland growth homeostasis (By similarity). Negatively regulates adrenal cells survival. Plays a role in steroidogenesis, modulates steroidogenic enzymes expression and cortisol production (By similarity). [UniProtKB/Swiss-Prot Function]