

## Product datasheet for **RN213148**

### **Armc5 (NM\_001009455) Rat Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >RN213148 representing NM\_001009455  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGCTGCGAGACCGCCCTTACGGACTCGCTCTCGTTTTGCCTCGGCAACTCACGGCAGCGGCCG  
 GGGAGGGGCCAGGTGGGGAAAGGACCCAGCTACCAACGAGACAGCCCTGGGCCGCTGCTTTAGCTCT  
 TCGCACGCGCCACATCAAGGCAGCAGAGGGAATTGAGCGCTTCCGGGCACGCGCGGGCTCCGCCCCCTT  
 GTCGCCCTGCTACGCCGAACGGCTGCTGCGGGCCCCGCCCGTCCCAAGCAGCCTCTGGCTCCGCCCTC  
 CGTCGGTTGCGTCAGCTGGTTCTTCCCCTGGCCCCGCCCGCTGCTGAGTCGCCTTTGACTCTTTCGGC  
 GCCAATGCGCCTGCGCAAGACGCTGGATTTGGCGCTCAGCATTCTAGCCAAGTGTACAGAAGGGGCG  
 TGCCGGTCTGAAGTGCCTAGAATTGGAGGCATTCTCCCTTTGGTGACCATTCTTCAGTGTGTGAGGATAG  
 ACAGCATCCAGAACCACGACGCCGTGCTTGGGGAAGTCCAGTGGAGCCTGAGAGCTGCGGGGACAT  
 CCACTCTGCTGGGGCTGTCCCTTCTTGTGAGAGCCTTACTGCCTGCCAGGACTCACAGTGCCTACAG  
 AGCATAGTTCTGCCCTCCGCAACTTGGCAGACTACCCAGCACCAGCCTAGCCCTGGCAGCAAGGAG  
 CAGTGGCGCCACTGGCCGAGCTCCTGGCTACTGCCCCAGACCCTGCACTGACCTCAGCCCTAGTCCGTGC  
 TCTCTTGAAGTACAGCCGAGGCTGTTCCCAGCCTGTGCTGAGCAGCTAAGTCTGGGTGGGGACTGGGC  
 CCCTTGTGAGCCTGGCTTCTCACCTAAGCGGCAATACGTGAGGCAGCATTCTGATCCTTGCCAATC  
 TGTGTGCTCAGGGCTGGTGCAGCTGCACTGGGCAATGCTGGTGGTGTGGAGGTGTTACTAGGTGAGCT  
 TAGGGCGCAGCGGGTCCCAGTGGGAGCAGCTCAGCTTCCCAGCAGCCCTAGTGGGGCTGTGTGCCTC  
 TTATGCCGGGAAGCCATCAACCGGGCTCGGCTTCCGGATGCTGGTGGTTGGAGCTGCTGAGGCTAT  
 TGCAAGCCCTGGTGCAGTGCCTGGCATCCACGTGTTGTGGCTGCTTGTAGGCTTCCCTTATGATAC  
 TGGGGCCTTGGGAAGTTACAGGCTCTGGGACTGTACCTTCTTGGCCAGGCAGCTATGTGGTGAAGCT  
 GGCGAAGAGGAAGAAGAAGGAGTGAAGCTGCTTCTGGGACTTCCCGAGGAACGGACCTTGGGCAGC  
 CGGAGGGAGGAAGCTTCCGAAGCCTCAGGTTGTGGCTGATTTCTGAGGTTATGCAGCAGGCCCTGGAGA  
 TATCTCCCAGATTGGTCTCCTGAGCGTTGTCCGATGCCAGAGCCATCTGAGTCAGTCAGTCCACCCCT  
 GGCCAGACCTCAATGTCGACACCCCGCACACTTCGCAACTGGGCCGTGTCCCTGCTGCCACTACTGAGG  
 AGCCTTGGGGCAAGAGGGGCCAGCACTGTTGCTGTTGTACGCTTCTCCAGGCTCCTGACCCAAGTGG  
 AGCTCTAGTGACTGGTCCAGCACTGTGTGGCTGTTGGCCTATGTGACAGGTGCACCGGGACCACCAAC  
 CCAGTGCAGTGGTATCTTGGCAGCCTCACCTGTAACCCTGCGTGCCTTGAGGCTTTGTGCGCAGTT  
 ATGGTGCAGCACTGCTGGTGCCTGGCTGGTCCCTCGGTGTCTCACCAGATGACTGGCCTGTGCCACATGC  
 CCGGCCTGTACCCGAAGCCAGCACCAGAGCTGGGTGAGATGCTGCTGCAGAACCTGACTGTCCAAGCT  
 GAGTCCCCCTTCGGAGTGGGCGCCCTCACCCACCTGCTGCTCTCTGGGAGCCCTGAGGACCGTGTAGCCT  
 GTGCACTACCCGTACCCTTATCTGCCGGAAGCCCACTCTGTGGCGCCGTTACTTCTGGATCAGGGTGG  
 CCTCCGCTCCTCCTCACAGCACTAACGAGCCAGCTCCACCCCACTCTTCTCTTCTTTCAGCAGAT  
 TCCCTGTCTGTCCAAGGCCTGGTGTCTCCCTCTGCAAGCCCAGTCCCTTTACCTGACCTGCCCTTGG  
 AACTGGACTCACCTCCCCTGCCTCTACAAACCTCTGCTGGTCCAGCCCTGCCAGCTCCTGACCT  
 GCACCTCGTTCTGGACTCAGGCCTACAGCTCCCTGCTCAGCGGGCTGCTTCACTGCTGCCCTCCCTTTC  
 TTCCGGGCCCTGCTATCCGGCAGCTTGTGCTGAAGCCAGATGAATTTGGTGCCTTCGAGGCTGTCCC  
 CTAGTGCAGCGTGGCCTGTCTACACCATTTGCATGGCTGCCGGGGCTGTGGGGCTGCTCTGGGACCTAT  
 ACCCCACCTGGTCAAGCCCTGCTGGGCTCTAAGGCTGAGGAAGCTCTAGAAGCTGCTGGCCGATTCTTG  
 CTGCTGCACTAGAGGAAGAGCTAGAAGAAGCTGTTGGCCGATCCACTTGAAGTCCACAGGGTGGCCAG  
 AGTCAGTGGGTGAGGATTTCCGCTAGGCCGGCCCCGGCTGGCTGCCACTGTGCCAGATGGACACTAGA  
 ACCAGGGCAGTGCCCAAGAAAACGGGCCCTGGCCCTGACGGGGCTGGTGGAAAGCAGCAGGTGAGGAGGCA  
 GGGCCCTCACTGAGGCTTGTGGCTGTGGAATGGGGTGTGAGTCATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

<b>ACCN:</b>	NM_001009455
<b>Insert Size:</b>	2781 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001009455.1</a></u> , <u><a href="#">NP_001009455.1</a></u>
<b>RefSeq Size:</b>	3289 bp
<b>RefSeq ORF:</b>	2781 bp
<b>Locus ID:</b>	361653
<b>UniProt ID:</b>	<u><a href="#">Q5PQP9</a></u>
<b>Cytogenetics:</b>	1q37
<b>Gene Summary:</b>	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]