

## Product datasheet for **MC205514**

### **Armc1 (NM\_028840) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Armc1 (NM_028840) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Armc1
Synonyms:	2310016N05Rik; 2900046P06Rik; 3110009G21Rik; AA409258; Arcp; AW048872; C330014L16Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC021451  
 CCACGCGTCCGGTCACCGCGGAGCCTGCAGCTCCTCCGCCGCCAGCGACTCAGCCCTGTGGTTCTTTGAG  
 TCGGGCCGTGGCTCGGGGTCTTCGCCGCCGTTGTCCGCCGTGGTGGGTGCGGCTCTGATGCTGCGGCAG  
 GCTCCGGACGCCCGGAGCTCTGGAGGAATTTAAGAAGCTTTTATTCATGTGCATGTCATAGAAGATGAAT  
 TCATCCTCTTCTACTATGAATGAAGAACCTGATGCTCTATCAGTAGTTAACAGCTACGGGATTTAGCAG  
 CAGATCCACTAAATAGAAGGCCATCGTCCAGGATCAGGGATGTTTGCCTGGCCTATTTTATTTATGGA  
 CCATCCAACCCTCCTGTGCTTCACTCAGCTTTGCTTGCCTACGCTACTTGGCTGAATGCCGTGCGAAT  
 AGAGAAAAGATGAAGGGAGAGCTGGGGATGATGCTGAGCTTGCAGAATGTCATCCAGAAGACTACAATC  
 CAGGAGAAAACAACTTCTGGCCTCAGAAATCTATGACATCCTTCAATCCTCCAATTTGGCTGATGGTGA  
 TAGTTTTAATGAAATGAATTCGCGTAGAAGGAAAGCTCAGTTTTTTTTGGGAACTACAAACAAACGGGCC  
 AAAACAGTAGTTTTGCACATAGATGGTCTCGATGATACGCTCTCGACGAAATCTATGTGAAGAGGCCTTGT  
 TAAAAATTAAGGTGTCATTAGCTTTACTTTTTCAAATGGCTGTTCAAAGATGCGTGGTGGGATCCGTTT  
 AGACTTGAAGGCAGAGGCTCTGGCGTCAGCAATAGCATCAACCAAGGTCATGAAAGCTCAGCAAGTTGTG  
 AAGAGCGAGAGTGAGAGAAGAGATGCTGGTCCCTTTTCCAGGATGCCCTGTGGAAGTGAAGAGAACACAG  
 AGCTACCTGACTACCTGCCTGAGGATGAGAGTCCACAAAAGGAGCAGGACAAGGCAGTGTCCCGGGTTGG  
 ATCGCACCTGAAGGTGGAGCCAGCTGGTTGAGCACAGCAGCAAACCTTTTATCCAGATCAATTTACTGG  
 TGACTTCAACTTCAGTTTGGGGCTCAAGGACTGTGCAAACCAACAGGGGGCCAGCTTTCCATTGTTGTGG  
 TGAAGTGTCAAGTGAATTTGCAATAAATTATCATGGAAGTTTCTAGATTACATGACTATGATGCTGC  
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 TTGGTATTGTTTTCTTTGCTTAATTGCCTCACATTTTGTCTGAAAAACATGGGTCCACTGTTAAAACC  
 GAATGTATGTGTAGCTTTATTCTGTTTACAGGCGCATGTGATTGGAAAACCTATTTTCTCTCCAGCCT  
 CAGGAGACTTCTAAAAAGTTTTGCGTAGCTCAAGTTGTGCATGAATACCGAATATATTTTTCAGCT  
 TTTCTTCATGAACGATATTTGACATGTCTTTGGTACCCTTCTCTGAAAAGTTGAAAACCTACCTACTAG  
 TCCTTCTGTGCCTTTTTTATTTTGGCAACCATGTTTTATGAAAAGACATTAGCAATTACATTTTGCAA  
 ATGGAATTATGTTCAATTTGAACATAGAAGTACCTAAAAAGAAAAAAAAAAAAACCTTACAAAAAGCTGTA  
 CAGTCATACTTGCTGTAATTTAATAAGATTACTGTAGGCCAGTTAAAACACAGGGATATTTGCTGTAAA  
 GTGCTTTTGAAGGATTTGAATGTGGCCAAGCCTGGCTCTGTTGACTCCTGCTCACCAGTTAGAGTGGCT  
 TTTAAGAATTAAGTCCACTGTGATGTTTGGCAGCAGATGGTCTCTTGGCCTTACTCTGTGGTGACTG  
 TATCCTGTAGAGAAAATTAATAGTTTAAACAACCTGACAACTGAAAAGGAAATGGATGCCTAGAATG  
 CCGCAGTGCCACCTTGGTTGGTCTGATGTCAGACATCAACACATACCCATCCCAGAGATGCTGGGCTTAT  
 TGCTTTTTGTGGTTATTAAGAAAGGGCTGCAGTCAGTTTACTAAAACGGGATCCACGTTATTGCTTAG  
 AAAGGAAGCAAGCCAGCAGTGTCACTTATTCTTATTCTCATATCTATCCAGAAAACCTGACTTCAGTGA  
 AGGTAAGATATATACAGACATACACTTGTGTTTTCTTTAAGACTGAAGTACACGTATGGATGCTTTCT  
 TAAGATTCTAACATATTTGACAATAATTTCTTTTGAAGTCAAGTAAATCTATTTAAAGGCAACAT  
 CATTAACAACTAACAGGAAGAACTGAAATGCATCTTACCAGGTAGAGCTGCTGTTTTGCTACTTGGAGA  
 AAGTGAAGGGAAGTTGGACCCTGGAGGGTTTCTTACATCTTTGCTGTCTCTCTTAGAGATCATTGAA  
 GCCATCCAGTGTGCTGAGGAGAAATAACCGTACAATCCTATGGCCATGAGACCATTAGTTTATTAAC  
 ATTTGGCTTTCTGGAAGGAGGGTGTGAAGGCTTTTAGAGCATTTTCCCACGTCTGGTCTCTGATTCAA  
 GTGCTATGTACAAGCAGAAAGCAGACATTTTCCAGGCACATCTAAGCTGTGAACTGCTTGTGCCAG  
 AACAGAGCTGTTGAAGCAAAAACAACAATCACCTCTTCTAGATCCATTAAGCAAAAGTTTACTTTT  
 TGTTTTCAACAGGTTTTTATTTTATTTGCAATTGTCACACATTTATTTAAAAACTGTAGCCCTTTTGGTAG  
 TGATGGTCCAGGTCGGTTGGTATTTAGACTGAAGTTTGTGTGTCTAGGTGTTCAAGGACTCTCAGAG  
 ATCTCAAGGCAACTATAATGGCAGTTTTTGAATATATTGTAAGATAATAAAAGATAACAATGAAAATCA AAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_028840  
**Insert Size:** 849 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>	<a href="#">BC021451</a> , <a href="#">AAH21451</a>
<b>RefSeq Size:</b>	2955 bp
<b>RefSeq ORF:</b>	849 bp
<b>Locus ID:</b>	74252
<b>UniProt ID:</b>	<a href="#">Q9D7A8</a>
<b>Cytogenetics:</b>	3 A2
<b>Gene Summary:</b>	In association with mitochondrial contact site and cristae organizing system (MICOS) complex components and mitochondrial outer membrane sorting assembly machinery (SAM) complex components may regulate mitochondrial dynamics playing a role in determining mitochondrial length, distribution and motility.[UniProtKB/Swiss-Prot Function]