

## Product datasheet for MC223329

### Armc4 (NM\_001081393) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Armc4 (NM\_001081393) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Armc4  
**Synonyms:** 4930463I21Rik; b2b227.1Clo; b2b643Clo  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223329 representing NM\_001081393  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGGTGTGGCGTTGACCAGGTTGGCACAGTGGACTGCTGCGGGATATGAGACTGGAACCCCTGGAGATCA  
 CTCCTCTGAATGAGTCGATATTGAATGAAATTAAGTTTGTGGAATCTTTTTCTATAAATATCCCA  
 AGAGGCAAAATTTGTTTTGTAGAACCCTTGAGTGGAAAACATATTTGGAACCCCTCAGCATTGTAATTA  
 GGTATGTTGTCAAGTGAACAACAGCTGAATCAGAAGAACTGGTAAAGATGGACAGCCCTGCTGTTC  
 TCTCTGTACCTTATATTAAGTGAAGGAGCTTTGGGCAACTGTCACAGTTGTTATCCATTGCCACAGACAG  
 CAAGCTGCAGGAGGCACAGGCCTGTATTGAAGCAACAGAGACCCCTGTAGTAAAAATCTTGGGTCCAGAT  
 TATAATGAGATGAAAGAAGCCCACTCGCTTGACTCTTCTCGATACGATCATCAAAGATAAAGAGACAT  
 ATATGAAAAGGAAAGTGGCCATCTTGCTGAAGCAGCTGGACCTGCACCTGCTCAACCATTCCCTAAAAGTA  
 CATTCTCTAGAGATCAGTTTGAATCCAGGGACTTTTAAAGAAAGATATTGAGTTGCTCAAACGTTTCTCA  
 GGAAAAGGGGAACAGACGGTGTGGAGTCGATCGAATACACTTCAGATTATGAATTTTCAAATGGGTGTC  
 GTGCCCAACATGGAGACAGATTCAAGGAGAAATCTGTTACGTGCTGGTGAAGCCACATGACATGGAAAC  
 TCTGTGCCTTACCTGCAGCACAGAAGGGTGTTTTTAAATGGTGGAAAAACAGAAGGGAAGGGGAGATT  
 AACTATGAGAGAAAAGGTGAAATTTACAAGGACCTTGTGACATGTTTAAAGGACAAATCACCAGTATTTT  
 CAGAGAATATGTCTAAGCATGAGATTAGTTTACTGAGGAGCAACAGAAGGATAATCAGATTTTTGAGAA  
 ACCCAAGACAGAAGATGGCACTCATCTGTAGCTGGCTCAGAGAAGAGTAAAATTGAAAAGATTAGCTTT  
 GGGAAAAGTCTATGACCAAGAGATTGGAGCAAGCTTAACTGGAGAGTAACTGTTGATTACAAAGACC  
 ACAAAGTCTATAAAAGATAGCCAAGAGGAAAAACAAGGAAAATTGGAAAAGTCATCATCGGTGTCTGT  
 GGCCCAAGCCGTGCACAGTCACATCGTAAGGGTGGTGAAGGTTGAAGAGACTGTCAGCGAGAGCTCC  
 TCAGAGAGTGAGGAGGACGAGGAGCCTCCAGACCACCGCCAGGAAGCCAATGCAGACCTCCCTTCGGAAT  
 ACTGGCAGATTCAGAAGCTGGTGAATATTTAAAGGGGGGAATCAGACGGCAACGGTATTGCCTTGTG  
 TTCCATGAGGGATTTCAACCTAGCTCAAGAGACCTGCCAGCTAGCAATTAGAGATGTTGGCGGGCTTGA  
 GTCTTAATAAATCTGCTCGATACAGATGAAGTCAAGTGAAGATTGGTTCATTAATAAATCCTGAAGGAAA



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TCAGTCATAATCCTCAAATCAGACGTAATATTGTTGACCTTGGGGCCTACCAATTATGGTTAATACT  
 TGATTCTCCACACAAGAGTCTTAAGTGTGGTGTGACGCTGAGACGATAGCAAATGTTGCCAAGTTCAAGAGA  
 GCTCGGCGGGCAGTGAGGCAACACGGAGGCATTACCAAGCTGGTTGCTCTATTGGACTGTGGACAGAATT  
 CAACAGAGCCAACTCAACCAAGCCTGTATGAAACCAGGGATGTAGAAGTGGCTCGATGCGGGCCTTGGC  
 GCTCTGGAGCTGCAGTAAGAGTCACTCGAACAAAGAAGCCATTCGTAAGCTGGGGCATCCCCTTGCTG  
 GCTCGGCTACTGAAGACTTCACATGAAAACATGCTCATTCCAGTGGTGGGACATTGCAAGAATGTGCAT  
 CAGAGGAAAACCTACCGAGCTGCCATCAAGGCAGAAAGGATCATAGAGAACCTCGTGAAGAACCTGAACAG  
 CGAGAATGAGCAGCTCCAGGAGCACTGTGCCATGGCCATCTACCAGTGTGCTGAAGATGAGGAGACCCGA  
 GACCTGGTTAGACTGCATGGAGGACTTAAACCCCTGGCCAGTCTACTCAATAATACAGACAATAAAGAAC  
 GATTAGCTGCTGTACTGGGGCAATATGGAATGCTCCATCAGCAAAGAAAATGTGATTAAGTTTCGAGA  
 ATACAAAGCCATTGAGACACTGGTTGGACTTTAACTGATCAGCCTGAAGAAGTGTGCTGAATGTGGTT  
 GGGGCCTTGGGAGAATGCTGTCAAGAATATGAAAATCGGGTCTAGTCCGGAAGTGTGGTGGCATCCAAC  
 CTCTCGTGAACCTCCTGGTTGGAATAAACCAAGCACTTCTGTGAATGCACAAAAGCTGTGGGCGCATG  
 CGCAGTAGAACAGAAAGTATGGCGATAATTGACCGCTTAGATGGAGTTCGTTATTGTGGTCCCTGCTC  
 AAAACCCACACCCAGATGTGAAGGCCAGTGCAGCATGGGCATTTGTCCTGCATTGAAAATGCAAGG  
 ATGCTGGAGAAAATGGTTTCCTTTGTTGGTGGTTTGGAACTTGTGTCAACTACTGAAGTCAGATAA  
 TAAAGAGGTCCTGGCCAGTGTCTGTGCTGCTATCACCAACATAGCAAAAAGACCAGGAGAAGTTAGCTGTT  
 ATTACAGACCATGGAGTCGTTCCCTATTGTCCAACTTGCCAATACAAATAATGACAAGCTGAGGCGTC  
 ACCTGGCAGAAGCCATCTCACGATGTTGTATGTGGGGAAGGAACAGAGTGGCCTTCGGAGAACACAAGGC  
 AGTGGCTCCACTGGTGCCTTATCTGAAGTCAAATGACACCAATGTGCATCGAGCTACAGCTCAGGCTTG  
 TACCAGCTCTCAGAAGATGCTGATAACTGCATCACTATGCACGAGAATGGTGTGTAAGCTTCTACTGG  
 ATATGGTTGGGTCCTCCAGACCAGGATCTCCAGGAAGCAGCTGCTGGCTGTATATCCAATATCCGAAGACT  
 GGCTCTTGCTACAGAAAAGGCTAGATACAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001081393

**Insert Size:**

3114 bp

**OTI Disclaimer:**

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).

**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\_001081393.1, NP\_001074862.1
**RefSeq Size:**

3477 bp

**RefSeq ORF:**

3114 bp

Locus ID: 74934

UniProt ID: [B2RY50](#)

Cytogenetics: 18 A1

Gene Summary: Ciliary protein that may be involved in a late step of axonemal outer dynein arm assembly.  
[UniProtKB/Swiss-Prot Function]