

## Product datasheet for **MC205099**

### **Arl4c (NM\_177305) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Arl4c (NM_177305) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Arl4c
Synonyms:	A630084M22Rik; Arl7; LAK
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC055769  
 GCGGCGGTAGCAGCAGCGCCTAGTACTGCAGGGACAGCAAGGCAGCTACGCTAACTCGGACGCCGGGGAA  
 GCCCGCGCCCCGCTGCGCCTTTGCGGCGCTCCCGGGAGCCGGAGCTAGAGCAGCTCCGAGGTGCGCCGA  
 GACCAGAGGCTGCTGCAGAGCCGCGGTGCGGGAGAGCCGAGGTCGAGCCGGGCTACCGCGCAAGGCGCA  
 GACATCCTACACCGCGGCGTCTGTCCGTGGCGGCTGCGCGAGAGACAAAGCCTCCGGAGAAAAGATGCCCG  
 CGGAGCACGCACCAGGCGGGCCAGGGAGCCGGCCCTCCGAGCCTAAGCGCGCCTGGCCGTGCGCCGCGG  
 GGACGCCGAGACCCACCGGGTCCAGCAACGGGCGGGGCCAGGTGCGCCCGGCCGAGAGGGCCTGTGA  
 CTGCTCGGGGGCGGCGCCTCCCGCCGACCGCAGTCGACAGTGGCCGCGCCGACGAGGAGCCATG  
 GGCAACATCTCCTCCAACATCTCGGCCTTCCAGTCTCTGCACATCGTTATGCTGGGCTTGGACTCGGCCG  
 GCAAGACTACGGTGTCTACCGGCTCAAGTTCAACGAATTCGTGAACACTGTGCCACTATCGGCTTCAA  
 CACCGAGAAGATCAAAGTACGCAACGGCACTGCCAAGGGCATCAGCTGCCACTTCTGGGACGTGGGCGGC  
 CAGGAGAAGCTACGGCCGCTGTGGAAGTCTACAGCCGCTGCACGGACGGCATCATCTACGTGGTGGATT  
 CGGTGGACGTGGACCGGCTGGAGGAGGCCAAGACGGAGCTGCACAAGGTGACCAAGTTTGGCGAGAACCA  
 GGGCACACCGCTCTGGTTATCGCCAACAAGCAGGATCTGCCTAAGTCGTGCCGTGGCCGAGATTGAG  
 AAGCAACTGGCGTGCACGAGCTCATCCCGGCCACCACCTACCATGTCCAGCCGGGTGCGCCATCATCG  
 GCGAGGGCCTCACCGAGGGCATGGACAAGCTCTATGAGATGATCCTGAAACGCAGGAAGTCTCTCAAGCA  
 GAAGAAGAAGCGGTAATGCGCTAGAGCAGCGATCTGGAGCAAGGCTGAGCGAGCAAGCCAGTGAGTGAAT  
 GAATGGACGTCTGGGTTGAGCGAGAACC CGGAACAAAGACAACGAACCAAGCGATGATTGCAATTTTT  
 AAAACACGATCTCTGTATCCAAATACAGGACTTGGAGACTTAAGCCGGGTGTGGAGGCTGCATAGCCACC  
 CATCTCGTACCTGCCACCCCCACCCAGCTCAGAGGACCTTTTGTCTATAATGCTTGAGTACCG  
 GTGGGATAGGGTGGGGGGACCGGTGGGGAGTGGACGTGAGGACGCAAGGGTCCCGTGGTGTGCCCTCTG  
 GCCCAGGTGGGAAGCTTGATGTGAGAGACAAAAGCGATTTCTTCTGCTCCAGCAGGGCCAGAAGT  
 TCAGACTGCCAGCCCCACTGCGGGGGGAATCACGTGTGAGTTACCTGAGGTATGCAGTTCACACAGA  
 ACCCTGGGGGGGATACCCGAAAAGGGGACGGGTAGGCGCTGGAGTGTACTGATGGGAGGGTGGGGATGAC  
 CGCTCCTTTCATTCTGGAGCTATGGAACTGAGTAATTTTATGGCACAGGGCAGGTCCCTGTTGCGATT  
 CATTGTCTACTCTGGGCCAAAGGAGGTGGTGGTTTGGAGCCATCCAGAGGACTGCCTCGGACCATGC  
 GGCAGCTGGAAGGCCAGGATGCTGTGTTTCTGGACTTGGCTGGGAATGGCCTGGAAGACGCCACTTTCC  
 AGGGGTGGGTGTGTGGTTTTGTTGAGAACTGCTTTTACGCTGGGATGAGACCTTCCAGATGGCCT  
 AGGCCCTGTCCGTGTCAGGTCATTCTCTCGTAAAGAGACCAATAAAACAAGAACAGAAAAAAAAAAAAA AAAAAAAAAA

**Restriction Sites:** AscI-NotI

**ACCN:** NM\_177305

**Insert Size:** 579 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: [BC055769](#), [AAH55769](#)

RefSeq Size: 1970 bp

RefSeq ORF: 579 bp

Locus ID: 320982

UniProt ID: [P61208](#)

Cytogenetics: 1 D

**Gene Summary:** Small GTP-binding protein which cycles between an inactive GDP-bound and an active GTP-bound form, and the rate of cycling is regulated by guanine nucleotide exchange factors (GEF) and GTPase-activating proteins (GAP). GTP-binding protein that does not act as an allosteric activator of the cholera toxin catalytic subunit. May be involved in transport between a perinuclear compartment and the plasma membrane, apparently linked to the ABCA1-mediated cholesterol secretion pathway. Recruits CYTH1, CYTH2, CYTH3 and CYTH4 to the plasma membrane in the GDP-bound form. Regulates the microtubule-dependent intracellular vesicular transport from early endosome to recycling endosome process (By similarity).[UniProtKB/Swiss-Prot Function]