

## Product datasheet for **MC207232**

### **Arl4a (NM\_001039515) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Arl4a (NM\_001039515) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Arl4a  
**Synonyms:** A1467555; Arl4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207232 representing NM\_001039515  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGGAATGGACTGTCAGACCAGACTTCCATCCTGTCCAGCCTGCCGTCTTTTCAGTCCTTTACATTG  
TTATTCTGGGTTTGGACTGTGCTGGAAAGACAACAGTTTTATACAGGCTGCAGTTCAACGAATTTGTAA  
TACCGTACCTACCAAAGGATTTAACTGAGAAAATTAAGTAACCTTGGCAATTCAAAACAGTCACT  
TTTCACCTCTGGGATGTAGGTGGTCAAGAGAAGTTAAGACCCTGTGGAAGTCATACACCCGATGCACAG  
ATGGTATTGTGTTTGTGGTGGACTCTGTGATGTTGAGAGAATGGAAGAAGCCAAAACACTGAACCTCATAA  
AATAACTAGGATATCCGAAAATCAGGGAGTCCCTGTGCTTATAGTTGCTAATAACAAGACCTGAGGAAC  
TCGCTCTCTCTCAGAGATTGAGAAGTTGTTAGCAATGGGGAACTGAGCTCATCGACTCCTTGGCATT  
TGCAGCCACCTGTGCAATCATAGGAGATGGGCTAAAGGAAGGACTCGAGAACTACATGATATGATAAT  
TAAAGGAGAAAAATGTTGCGGCAACAGAAAAAGAAGAGAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001039515  
**Insert Size:** 603 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).



<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_001039515.1</a></u> , <u><a href="#">NP_001034604.1</a></u>
<b>RefSeq Size:</b>	3693 bp
<b>RefSeq ORF:</b>	603 bp
<b>Locus ID:</b>	11861
<b>UniProt ID:</b>	<u><a href="#">P61213</a></u>
<b>Cytogenetics:</b>	12 18.06 cM
<b>Gene Summary:</b>	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. Recruits CYTH1, CYTH2, CYTH3 and CYTH4 to the plasma membrane in GDP-bound form (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.