

## Product datasheet for **MR216209**

### **Arl6ip6 (NM\_022989) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Arl6ip6 (NM\_022989) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Arl6ip6  
**Synonyms:** 2310057C01Rik; 2610529A11Rik; Aip-6  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR216209 representing NM\_022989  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGTTCTGGAGAGTTGGAGGTTTGCGGGCGCGGGAGGCGCCGTCAGGTTACCCAGGCCCTGCGA  
CTCGGCCCGGTATTCGACTACACTCAGGGGACAGCTGGGGTGAGGGCGAAGGCGACGAAGACGAGGG  
ATGCGACCAAGTGGCCCGGACTTGCGGGACAGTTCTCAGCCAGGGCGTCGTCGGAGACCAAGAGGGCC  
CCGCTACTCCCCGGGTGGGGACGGTCTCCGGTCTGCGGATAAGCGCAACGGCATCTCCCCGCCA  
CTGCGGCCAAGCGAACCAGGCTCGGCGGTGGCCATCCAAGCCCTTCCATTCTCTGTTGCTGCTGTT  
CGCCGTCCTCCTTCTTCTCGCCATCGCCTACATGATCGTTAAAGAATTGCATGCAGAAAATTG  
AAAAATGAAGATGATATACATACTGGGCTGTTAGGCTTCTGGTCTCTGCTGATAATATCTCTAACTGCTG  
GATTGCTCTGTTGCAGCTTTTCTTGGACAGTGACTTACTTTGATTCAATTTGAACCAGGAATGTTCCACC  
CACTCCTCTTTCACCTGCTAGGTTCAAGAACTGACTGGACATCTTCCACATGGGCTACAGCATGGCA  
ATTTTGAATGGTATTGTCGCTGCTCTCACTGTGGCATGGTGCCTCATG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR216209 representing NM\_022989  
 Red=Cloning site Green=Tags(s)

MSFVESWRFAGARRRRQVTPGPATRPGYSDYTQGDSWGEGEGDEDEGCDQVARDLRAEFSARASSETKRA  
 PLLPRVGDGSPVLPDKRNGIFPATAAKRTQARRWPIQALSILCSLLFAVLLAFLLAAYMIVKELHAENL  
 KNEDDIHTGLLGFWSLLIISL TAGLSCCSFSWTVTYFDSFEPGMFPPTPLSPARFKKLTGHSFHMGY SMA  
 IILNGIVAALTVAWCLM

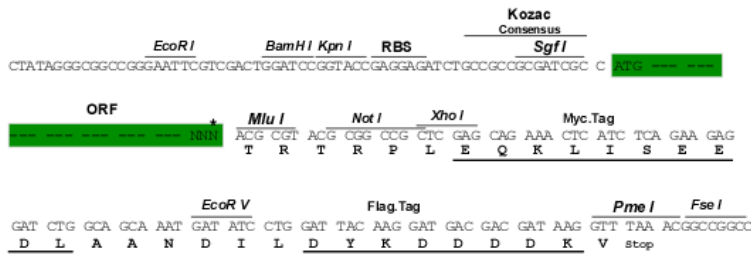
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9028\\_d05.zip](https://cdn.origene.com/chromatograms/mm9028_d05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_022989

**ORF Size:** 678 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_022989.4](#), [NP\\_075365.3](#)

**RefSeq Size:** 2553 bp

**RefSeq ORF:** 681 bp

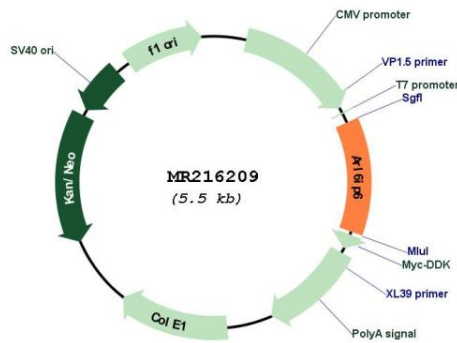
**Locus ID:** 65103

**UniProt ID:** [Q8BH07](#)

**Cytogenetics:** 2 C1.1

**MW:** 25.4 kDa

**Product images:**



Circular map for MR216209