

## Product datasheet for MR217165

### Arglu1 (NM\_176849) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Arglu1 (NM\_176849) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Arglu1  
 Synonyms: 9430010O03Rik; C130008N12  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >MR217165 representing NM\_176849  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGCCGGTCGCGGAGCCGGAGCTCGTCCCGCTCTAAGCACACCAAGAGCTCCAAGCACAAACAAGAAGC  
 GCAGCCGCTCGCGCTCGCGCTCGCGGGACAAGGAGCGGGTGCAGGAGCGCTCCAAGTCCCGGGAGAGCAA  
 ACGGAACCGCGCGGGAGTCCGCTCCCGCTCGCGCTCCACCAACGCGCGGCATCCCGCGCGAGCGG  
 GAGCGCGCTCGTCCCGCCCGACCGCATCGACATCTTCGGCGCACGGTGAAGCAAGCGCAGCAGCTGG  
 ACGAGAAGCAGAAGCGCGAGGAGGAGAGAAGAAGCGGAGTTCGAGCGACAGCGAAAAATTCGGCAGCA  
 GGAATAGAAAGAAAACCTATTGAGGAAGAAACAGCACGAAGAGTGAAGAATTGGTAGCAAAAAGGGTA  
 GAAGAAGAATTGGAGAAAAGGAAGGATGAAATTGAGCGAGAAGTTCTCCGAAGGGTTGAAGAAGCCAAAC  
 GCATCATGGAAAAGCAGTTGCTCGAAGAACTCGAGCGACAGAGACAAGCTGAGCTTGACAGCAAAAAAGC  
 CAGAGAGGAGGAAGAGAGAGCAAAAGCGTGAGGAACTGGAGCGGATATTAGAAGAAAATAACCGGAAAATC  
 GCAGAAGCACAAGCCAAACTGGCTGAAGAACAGTTGAGAATTGTTGAAGAACAAGAAAGATTATGAGG  
 AAAGGATGAACTAGAACAAGAACGACAGCGTCAGCAAAAAGAAGAACAATAATCTGGGCAAGGG  
 GAAGTCCAGGCCAAAACGTCTTCTACTAAAAACCCAGGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR217165 representing NM\_176849  
Red=Cloning site Green=Tags(s)

MGRSRSRSSSRSKHTKSSKHNNKRSRSDKERVKRKSKSRESKRNRRRESRSRSTNAAASRRER  
 ERASSPPDRIDIFGRTVSKRSSLDEKQKREEEKKAEFERQKIRQQEIEEKLEIEETARRVEELVAKRV  
 EEELEKRRKDEIEREVLRRVEEAKRIMEKQLLEELERQQAELAAQKAREEEERAKREELERILEENNRKI  
 AEAQAKLAEELRIVEEQRKIHEERMKLEQERQKQKEEQKIILGKGSRPKLSFSLKTQD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_176849

**ORF Size:** 813 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\\_176849.3](#), [NP\\_789819.2](#)

**RefSeq Size:** 1731 bp

**RefSeq ORF:** 816 bp

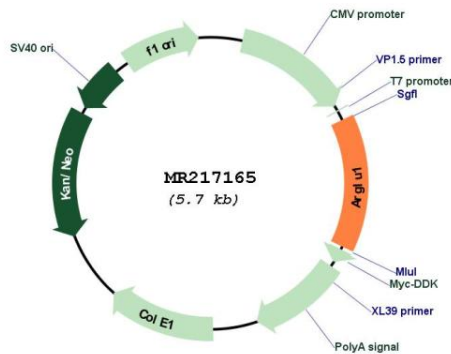
**Locus ID:** 234023

**UniProt ID:** [Q3UL36](#)

**Cytogenetics:** 8 A1.1

**MW:** 33.3 kDa

**Product images:**



Circular map for MR217165