

## Product datasheet for **MG217165**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Arglu1 (NM_176849) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Arglu1
Synonyms:	9430010O03Rik; C130008N12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217165 representing NM_176849 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGGCCGGTCGCGGAGCCGGAGCTCGTCCCGCTCTAAGCACACCAAGAGCTCCAAGCACACAAGAAGC  
GCAGCCGCTCGCGCTCGCGCTCGCGGGACAAGGAGCGGGTGCAGGAGCGCTCCAAGTCCCGGGAGAGCAA  
ACGGAACCGCGCGGGAGTCGCGCTCCCGCTCGCGCTCCACCAACGCGCGGCATCCCGCGCGAGCGG  
GAGCGCGCTCGTCCCGCCCGACCGCATCGACATCTTCGGCGCACGGTGAAGCAAGCGCAGCAGCTGG  
ACGAGAAGCAGAAGCGCGAGGAGGAGAGAAGAAGCGGAGTTCGAGCGACAGCGAAAAATTCGGCAGCA  
GGAATAGAAAGAAAACCTATTGAGGAAGAAACAGCACGAAGAGTGAAGAATTGGTAGCAAAAAGGTA  
GAAGAAGAAATTGGAGAAAAGGAAGGATGAAATTGAGCGAGAAGTTCTCCGAAGGGTTGAAGAAGCCAAAC  
GCATCATGGAAAAGCAGTTGCTCGAAGAACTCGAGCGACAGAGACAAGCTGAGCTTGACAGCAAAAAAGC  
CAGAGAGGAGGAAGAGAGAGCAAGCGTGAGGAACTGGAGCGGATATTAGAAGAAAATAACCGGAAAATC  
GCAGAAGCACAAGCCAACTGGCTGAAGAACAGTTGAGAATTGTTGAAGAACAAGAAAGATTATGAGG  
AAAGGATGAACTAGAACAAGAACGACAGCGTCAGCAAAAAGAAGAACAATAATCTGGGCAAGGG  
GAAGTCCAGGCCAAAACGTCTTCTACTAAAAACCCAGGAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG217165 representing NM\_176849  
Red=Cloning site Green=Tags(s)

MGRSRSRSSSRKHTKSSKHNNKRSRSDKERVKRKRSKRESKRNRRRESRSRSTNAAASRRER  
 ERASSPPDRIDIFGRTVSKRSSLDEKQKREEEKKAEFERQKIRQQEIEEKLIEETARRVEELVAKRV  
 EEELEKRKDEIEREVLRRVVEAKRIMEKQLLEELERQQAELAAQKAREEEERAKREELERILEENNRKI  
 AEAQAKLAEELRIVEEQRKIHEERMKLEQERQKQKEEQKIILGKGKSRPKLSFSLKTQD

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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

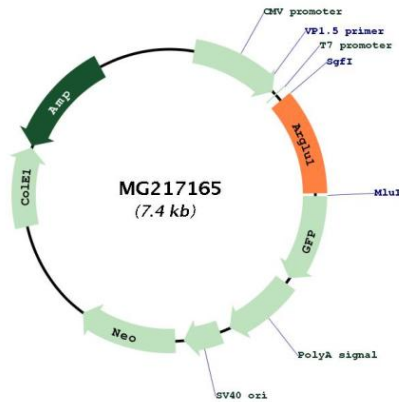
**RefSeq ORF:** 816 bp

**Locus ID:** 234023

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

**Cytogenetics:** 8 A1.1

**Product images:**



Circular map for MG217165