

## Product datasheet for **RG221774**

### ART5 (NM\_001079536) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ART5 (NM\_001079536) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ART5  
**Synonyms:** ARTC5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG221774 representing NM\_001079536  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGCTGGCGGCTTTGATGATCGCCCTCGGCAGCCTCGGCCTCCACACCTGGCAGGCCAGGCTGTTC  
 CCACCATCCTGCCCTGGGCCTGGCTCCAGACACCTTTGACGATACCTATGTGGTTGTGTAGAGGAGAT  
 GGAGGAGAAGGCAGCCCCCTGCTAAAGGAGGAAATGGCCACCATGCCCTGCTGCGGGAATCCTGGGAG  
 GCAGCCCAGGAGACCTGGGAGGACAAGCGTCGAGGGCTTACCTTGCCCCCTGGCTTCAAAGCCCAGAATG  
 GAATAGCCATTATGGTCTACACCAACTCATCGAACACCTTGTACTGGGAGTTGAATCAGGCCGTGCGGAC  
 GGGCGGAGGCTCCCGGAGCTCTACATGAGGCACTTTCCTTCAAGGCCCTGCATTTCTACCTGATCCGG  
 GCCCTGCAGCTGCTGCGAGGCACTGGGGCTGCAGCAGGGGACCTGGGGAGGTGGTGTCCGAGGTGTGG  
 GCAGCCTTCGCTTTGAACCAAGAGGCTGGGGGACTCTGTCCGCTTGGGCCAGTTTGCTCCAGCTCCCT  
 GGATAAGGCAGTGGCCACAGATTTGGTAATGCCACCCTTCTCTCTAACAACTTGCTTTGGGGCCCT  
 ATACAGGCCTTCTGTCTTTCCCAAGGAGCGGAGGTGCTGATCCCCCATGAAGTCTTTTTGGTTA  
 CCAGATTCTCTCAGGATGGAGCCCAGAGCTTGGTGACTCTCTGGAGCTATAATCAGACCTGTAGCCATTT  
 TAACTGCGCCTATCTGGGTGGGAGAAGAGGCGGGCTGTGTGTCTGCCAGGAGCCCTGGGAACGGGT  
 GACCTTCATATGACGAAGAGGCACCTCCAGCAGCCT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG221774 representing NM\_001079536  
Red=Cloning site Green=Tags(s)

MALAALMIALGSLGLHTWQAQAVPTILPLGLAPDTFDDTYVGCVEEMEEKAAPLLKEEMAHHALLRESWE  
 AAQETWEDKRRGLTLPPGFKAQNGIAIMVYTNSNTLYWELNQAVRTGGGSREL YMRHFPPKALHFYLIR  
 ALQLLRGSGGCSRGPGEVFRGVGSLRFEPKRLGDSVRLGQFASSLKDVAHFRGNATLFLSLTTCFGAP  
 IQAFSVFPKEREVLIPHEVFLVTRFSQDGAQSLVTLWSYNQTCSHFNCAYLGGEKRRGCVSAPGALGTG  
 DLHMTKRHLQQP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001079536

**ORF Size:** 876 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\\_001079536.1](#), [NP\\_001073004.1](#)

**RefSeq Size:** 1249 bp

**RefSeq ORF:** 876 bp

**Locus ID:** 116969

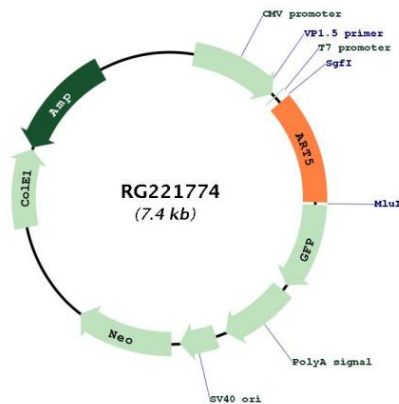
**UniProt ID:** [Q96L15](#)

**Cytogenetics:** 11p15.4

**Protein Families:** Secreted Protein

**Gene Summary:** The protein encoded by this gene belongs to the ARG-specific ADP-ribosyltransferase family. Proteins in this family regulate the function of target proteins by attaching ADP-ribose to specific amino acid residues in their target proteins. The mouse homolog lacks a glycosylphosphatidylinositol-anchor signal sequence and is predicted to be a secretory enzyme. Several transcripts encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

### Product images:



Circular map for RG221774