

## Product datasheet for **RG204806**

### ART5 (NM\_053017) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | ART5 (NM_053017) 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:  | >RG204806 representing NM_053017<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCTGGCGGCTTTGATGATCGCCCTCGGCAGCCTCGGCCTCCACACCTGGCAGGCCAGGCTGTTC  
CCACCATCCTGCCCTGGGCTGGCTCCAGACACCTTTGACGATACCTATGTGGTTGTGTAGAGGAGAT  
GGAGGAGAAGGCAGCCCCCTGCTAAAGGAGGAAATGGCCACCATGCCCTGCTCGGGAATCCTGGGAG  
GCAGCCCAGGAGACCTGGGAGGACAAGCGTCGAGGGCTTACCTTGCCCCCTGGCTTCAAAGCCCAGAATG  
GAATAGCCATTATGGTCTACACCAACTCATCGAACACCTTGTACTGGGAGTTGAATCAGGCCGTGCGGAC  
GGGCGGAGGCTCCCGGAGCTCTACATGAGGCACTTTCCTTCAAGGCCCTGCATTTCTACCTGATCCGG  
GCCCTGCAGCTGCTGCGAGGCAGTGGGGCTGCAGCAGGGGACCTGGGGAGGTGGTGTCCGAGGTGTGG  
GCAGCCTTCGCTTTGAACCCAAGAGGCTGGGGGACTCTGTCCGCTTGGGCCAGTTTGCTCCAGCTCCCT  
GGATAAGGCAGTGGCCACAGATTTGGTAATGCCACCCTTCTCTCTAACAACTTGCTTTGGGGCCCT  
ATACAGGCCTTCTGTCTTTCCCAAGGAGCGCGAGGTGCTGATCCCCCATGAAGTCTTTTTGGTTA  
CCAGATTCTCTCAGGATGGAGCCCAGAGCTTGGTGACTCTCTGGAGCTATAATCAGACCTGTAGCCATTT  
TAACTGCGCCTATCTGGGTGGGAGAAGAGGCGGGCTGTGTCTGCCCAGGAGCCCTGGGAACGGGT  
GACCTTCATATGACGAAGAGGCACCTCCAGCAGCCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG204806 representing NM\_053017  
Red=Cloning site Green=Tags(s)

MALAALMIALGSLGLHTWQAQAVPTILPLGLAPDTFDDTYVGCVEEMEEKAAPLLKEEMAHHALLRESWE  
 AAQETWEDKRRGLTLPPGFKAQNGIAIMVYTNSNTLYWELNQAVRTGGGSREL YMRHFPPKALHFYLIR  
 ALQLLRGSGGCSRGPGEVFRGVGSLRFEPKRLGDSVRLGQFASSLKDVAHFRGNATLFLSLTTCFGAP  
 IQAFSVFPKEREVLIPHEVFLVTRFSQDGAQSLVTLWSYNQTCSHFNCAYLGGEKRRGCVSAPGALGTG  
 DLHMTKRHLQQP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_053017

**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\\_053017.1](#)

**RefSeq Size:** 1477 bp

**RefSeq ORF:** 876 bp

**Locus ID:** 116969

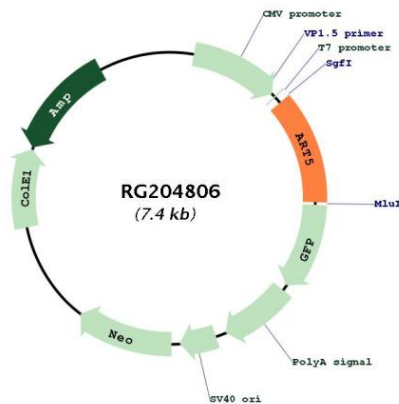
**UniProt ID:** [Q96L15](#)

**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 RG204806