

## Product datasheet for **RG207296**

### ARL4 (ARL4A) (NM\_001037164) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ARL4 (ARL4A) (NM\_001037164) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ARL4A  
**Synonyms:** ARL4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG207296 representing NM\_001037164  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGGAATGGGCTGTCAGACCAGACTTCTATCCTGTCCAACCTGCCTTCATTTTCAGTCTTTCCACATTG  
 TTATTCTGGGTTTGGACTGTGCTGGAAAGACAACCTGTCTTATACAGGCTGCAGTTCAATGAATTTGTAAA  
 TACCGTACCTACCAAAGGATTTAACTGAGAAAATTAAGGTAACCTTGGGAAATTTCTAAAACAGTCACT  
 TTTCACTTCTGGGATGTAGGTGGTCAGGAGAAAATTAAGGCCACTGTGGAAGTCATATACCAGATGCACAG  
 ATGGCATTGTATTTGTTGTGGACTCTGTTGATGTCGAAAGGATGGAAGAAGCCAAAACCTGAACCTCACAA  
 AATAACTAGGATATCAGAAAATCAGGGAGTCCCTGACTTATAGTTGCTAACAAACAAGATTTGAGGAAC  
 TCATTGTCACTTTTCAGAAATTGAGAAATTTAGCAATGGGTGAACCTGAGCTCATCAACTCCTTGGCATT  
 TGCAGCCTACCTGTGCAATCATAGGAGATGGCCTAAAGGAAGGACTTGAGAAAACATGATATGATCAT  
 TAAAAGAAGAAAATGTTGCGGCAACAGAAAAGAAAAGA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG207296 representing NM\_001037164  
 Red=Cloning site Green=Tags(s)

MGNGLSDQTSILSNLPSFQSFHIVILGLDCAGKTTVLRYLQFNEFVNTVPTKGFNTEKIKVTLGNSKTVT  
 FHFWDVGGQEKLRPLWKS YTRCTDGI VVDSVDVERMEEAKTELHKITRI SENQGVPLIVANKQDLRN  
 SLSLSEIEKLLAMGELSSSTPWHLQPTCAIIGDGLKEGLEKLDHMIKRRKMLRQKQKKR

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**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\\_001037164.2](#), [NP\\_001032241.1](#)

**RefSeq Size:** 2957 bp

**RefSeq ORF:** 603 bp

**Locus ID:** 10124

**UniProt ID:** [P40617](#)

**Cytogenetics:** 7p21.3

**Protein Families:** Stem cell - Pluripotency

**Gene Summary:** ADP-ribosylation factor-like 4A is a member of the ADP-ribosylation factor family of GTP-binding proteins. ARL4A is similar to ARL4C and ARL4D and each has a nuclear localization signal and an unusually high guanine nucleotide exchange rate. ARL4A is located in both the nuclear and extranuclear cell compartments. Multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]