

## Product datasheet for **RG200198**

### ARL2BP (NM\_012106) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ARL2BP (NM\_012106) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ARL2BP  
**Synonyms:** BART; BART1; RP66  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG200198 representing NM\_012106  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACGCCTTAGAAGGAGAGAGCTTTGCGCTGTCTTTCTCCTCCGCTCTGATGCAGAATTTGATGCTG  
TGGTTGGATATTTAGAGGACATTATCATGGATGACGAGTCCAGTTATTACAGAGAAATTCATGGACAA  
GTACTACCTGGAGTTTGAAGACACAGAAGAGAATAAACTCATCTACACACCTATTTTAAATGAATACATT  
TCTTTGGTAGAAAATACATTGAAGAACAGCTGCTGCAGCGGATTCCTGAGTTCAACATGGCAGCCTTCA  
CCACAACATTACAGCACCATAAGGATGAAGTGGCTGGTGACATATTCGACATGCTGCTCACCTTCACAGA  
TTTTCTGGCTTTTAAAGAAATGTTTTGGACTACAGAGCAGAAAAGAAGCCGAGGACTGGACTTAAGC  
AGTGGCTTAGTGGTACTTCATTGTGCAATCATCTTCTCTGCCAGCTTCCAGAACAACTGCGGCAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG200198 representing NM\_012106  
Red=Cloning site Green=Tags(s)

MDALEGESFALSFSSASDAEFDVVGYLEDIIMDDEFQLLQRNFMKYYLEFEDTEENKLIYTIPIFNEYI  
SLVEKYIEEQLLQRIPEFNMAAFTTTLQHHKDEVAGDIFDMLLTFTDFLAFKEMFLDYRAEKEGRGLDLS  
SGLVVVTSLCKSSSLPASQNNLRH

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_012106

**ORF Size:** 489 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\\_012106.4](#)

**RefSeq Size:** 2100 bp

**RefSeq ORF:** 492 bp

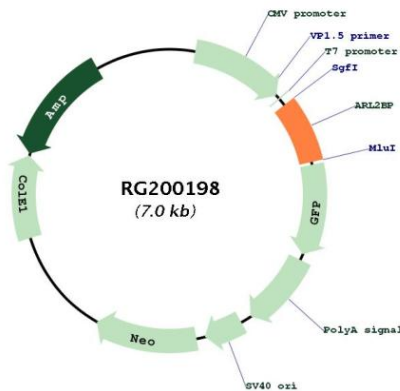
**Locus ID:** 23568

**UniProt ID:** [Q9Y2Y0](#)

**Cytogenetics:** 16q13

**Gene Summary:** ADP-ribosylation factor (ARF)-like proteins (ARLs) comprise a functionally distinct group of the ARF family of RAS-related GTPases. The protein encoded by this gene binds to ARL2.GTP with high affinity but does not interact with ARL2.GDP, activated ARF, or RHO proteins. The lack of detectable membrane association of this protein or ARL2 upon activation of ARL2 is suggestive of actions distinct from those of the ARFs. This protein is considered to be the first ARL2-specific effector identified, due to its interaction with ARL2.GTP but lack of ARL2 GTPase-activating protein activity. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG200198