

## Product datasheet for **RG236381**

### ARL6 (NM\_001278293) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ARL6 (NM\_001278293) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ARL6  
**Synonyms:** BBS3; RP55  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236381 representing NM\_001278293.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGGGATTGCTAGACAGACTTTTCAGTCTTGCTTGGCCTGAAGAAGAAGGAGGTTTCATGTTTTGTGCCTT
GGGCTAGATAATAGTGGCAAACGACGATCATTAACTAACTTAACTTCAAATGCTCAATCTCAAAAT
ATCCTTCAACAATAGGATTCAGCATAGAGAAATCAAATCATCCAGTTTGCATTTACAGTGTTCAGC
ATGTCAGGTCAAGGAAGATACAGAAATCTCTGGGAACACTATTATAAAGAAGGCCAAGCTATTATTTT
GTCATTGATAGTAGTATAGATTAAGAATGGTTGTGGCCAAAGAAGAACTCGATACTCTTCTGAATCAT
CCAGATATTAACACCGTCGAATCCAATCTTATTCTTTGCAAAATAAATGGATCTTAGAGATGCAGTG
ACATCTGTAAAAGTGTCTCAGTTGCTGTGTTTAGAGAACATCAAAGATAAACCTGGCATATTTGTGCT
AGTGATGCCATAAAGGAGAAGGCTTGAAGAAGGTGTAGACTGGCTCAAGATCAGATCCAGACTGTG
AAGACA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236381  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MGLLDRLSVLLGLKKKEVHVLCLGLDNSGKTTIINKLKPSNAQSQNILPTIGFSIEKFKSSLSFTVFD
MSGQGRYRNLWEHYKQAIIFVIDSSDRLRMVVAKEELDTLLNHPDIKHRRIPILFFANKMDLRDAV
TSVKVSQLLCLENIKDKPWHICASDAIKGEGLQEGVDWLQDQIQTVKT
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSLRDGGYSSVVDVSHMHFKSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

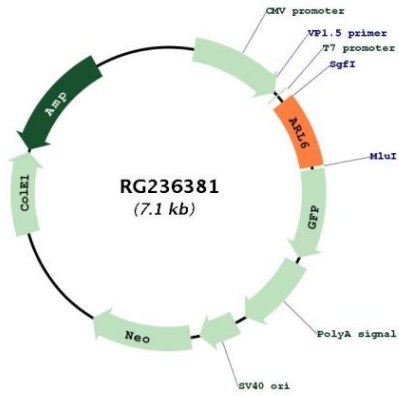
**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


- ACCN:** NM\_001278293
- ORF Size:** 558 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).
- RefSeq:** [NM\\_001278293.3](#)
- RefSeq Size:** 1531 bp
- RefSeq ORF:** 561 bp
- Locus ID:** 84100
- UniProt ID:** [Q9H0F7](#)
- Cytogenetics:** 3q11.2
- MW:** 21.1 kDa
- Gene Summary:** The protein encoded by this gene belongs to the ARF-like (ADP ribosylation factor-like) sub-family of the ARF family of GTP-binding proteins which are involved in regulation of intracellular traffic. Mutations in this gene are associated with Bardet-Biedl syndrome (BBS). A vision-specific transcript, encoding long isoform BBS3L, has been described (PMID: 20333246). [provided by RefSeq, Apr 2016]

Product images:



Circular map for RG236381