

Product datasheet for RG205966

ARL6 (NM_032146) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ARL6 (NM_032146) 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 >RG205966 representing NM_032146

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGGATTGCTAGACAGACTTTCAGTCTTGCTTGGCCTGAAGAAGAAGAAGAGGTTCATGTTTTTGTGCCTTG
GGCTAGATAATAGTGGCAAAACGACGATCATTAACAAACTTAAACCTTCAAATGCTCAAATCTCAAAATAT
CCTTCCAACAATAGGATTCAGCATAGAGAAATTCAAATCATCCAGTTTGTCATTTACAGTGTTTGACATG
TCAGGTCAAGGAAGATACAGAAATCTCTGGGAACACTATTATAAAGAAGGCCAAGCTATTATTTTTGTCA
TTGATAGTAGTGATAGATTAAGAATGGTTGTGGCCAAAGAAGAACTCGATACTCTTCTGAATCATCCAGA
TATTAAACACCCGTCGAATTCCAATCTTATTCTTTGCAAATAAAATGGATCTTAGAGATGCAGTGACATCT
GTAAAAGTGTCTCAGTTGCTGTGTTTAGAGAACATCAAAGATAAACCCTGGCATATTTTTTGTCCTAGTGATG
CCATAAAAGGAGAAAGGCTTGCAAGAAGGTGTAGACTGCCTTCAAGATCAGATCCAGACTGTGAAGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205966 representing NM_032146

Red=Cloning site Green=Tags(s)

MGLLDRLSVLLGLKKKEVHVLCLGLDNSGKTTIINKLKPSNAQSQNILPTIGFSIEKFKSSSLSFTVFDM SGQGRYRNLWEHYYKEGQAIIFVIDSSDRLRMVVAKEELDTLLNHPDIKHRRIPILFFANKMDLRDAVTS

VKVSQLLCLENIKDKPWHICASDAIKGEGLQEGVDWLQDQIQTVKT

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



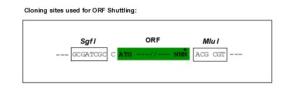
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

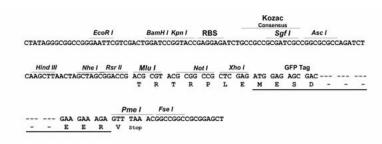
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

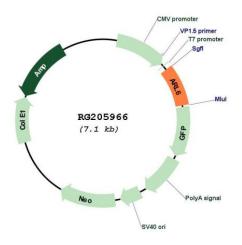


Cloning Scheme:





Plasmid Map:



ACCN: NM_032146

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.

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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: <u>NM 032146.5</u>

RefSeq Size: 1408 bp
RefSeq ORF: 561 bp
Locus ID: 84100
UniProt ID: Q9H0F7
Cytogenetics: 3q11.2

Domains: SAR, ARF, arf

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]