

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 Sequence: >RG205966 representing NM_032146
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGATTGCTAGACAGACTTTTCAGTCTTGCTTGGCCTGAAGAAGAAGGAGGTTTCATGTTTTGTGCCTTG
 GGCTAGATAATAGTGGCAAACGACGATCATTAAACAACTTAAACCTTCAAATGCTCAATCTCAAAATAT
 CCTTCCAACAATAGGATTCAGCATAGAGAAATCAAATCATCCAGTTTGCATTTACAGTGTGGACATG
 TCAGGTCAAGGAAGATACAGAAATCTCTGGGAACACTATTATAAAGAAGCCAAGCTATTATTTTGTCA
 TTGATAGTAGTAGATTAAGAATGGTTGTGGCAAAGAAGAACTCGATACTCTTCTGAATCATCCAGA
 TATTAAACACCGTCGAATCCAATCTTATTCTTTGCAAATAAAATGGATCTTAGAGATGCAGTGACATCT
 GTAAAAGTGTCTCAGTTGCTGTGTTAGAGAACATCAAAGATAAACCCCTGGCATATTTGTGCTAGTGATG
 CCATAAAGGAGAAGGCTTGCAAGAAGGTGTAGACTGGCTTCAAGATCAGATCCAGACTGTGAAGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205966 representing NM_032146
 Red=Cloning site Green=Tags(s)

MGLLDRLSVLLGLKKKEVHVLCLGLDNSGKTTIINKLKPSNAQSQNILPTIGFSIEKFKSSSLSFTVFD
 SGQGRYRNLWEHYKQAIIFVIDSSDRLRMVVAKEELDITLLNHPDIKHRRIPILFFANKMDLRDAVTS
 VKVSQLLCLENIKDKPWHICASDAIKGEGLEQEGVDWLQDQIQTVKT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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:	<ol style="list-style-type: none">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:	<u>Q9H0F7</u>
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]