

Product datasheet for RG203600

ARF6 (NM 001663) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ARF6 (NM 001663) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: ARF6

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG203600 representing NM_001663

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGGGAAGGTGCTATCCAAAATCTTCGGGAACAAGGAAATGCGGATCCTCATGTTGGGCCTGGACGCGGCGGCAGGAAGACAACAATCCTGTACAAGTTGAAGCTGGGCCAGTCGGTGACCACCATTCCCACTGTGGGTTTCAACGTGGACACAACAACATCCTGTACAAAAATGTCAAGTTCAACGTATGGGATGTGGGCGGCCAGGACAAGATCCGGCCGCTCTGGCGGCATTACTACACTGGGACCCAAGGTCTCATCTTCGTAGTGGACTGCGCCGACCGCGACCGCGACCGCGATCGCATGAAGCCCGCAACAAGCACGCCCATAATCCTCATCTTCGCCAACAAGCAGGACCTGCCCGATGCCATGAAACCCCACGAGATCCAGGAAAACTGGGCCTGACCCGGATTCGGGACAGGAACTGGGACAGGACCTGACCCGGATTCGGGACACAGGAACTCATGGCACCCCGGATTCCACCTCAGGGGACAGGACCTCATG

AGGGGCTCACATGGTTAACCTCTAACTACAAATCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203600 representing NM_001663

Red=Cloning site Green=Tags(s)

MGKVLSKIFGNKEMRILMLGLDAAGKTTILYKLKLGQSVTTIPTVGFNVETVTYKNVKFNVWDVGGQDKI RPLWRHYYTGTQGLIFVVDCADRDRIDEARQELHRIINDREMRDAIILIFANKQDLPDAMKPHEIQEKLG

LTRIRDRNWYVQPSCATSGDGLYEGLTWLTSNYKS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul



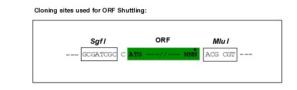
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

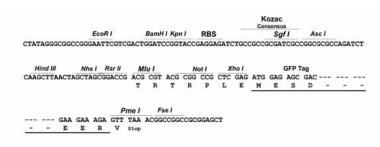
CN: techsupport@origene.cn

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



Cloning Scheme:





ACCN: NM_001663

ORF Size: 525 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts

of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at customercom or by

calling 301.340.3188 option 3 for pricing and delivery.

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: <u>NM 001663.4</u>

 RefSeq Size:
 1806 bp

 RefSeq ORF:
 528 bp

 Locus ID:
 382

 UniProt ID:
 P62330

 Cytogenetics:
 14q21.3

Domains: RAB, SAR, ARF, arf

Protein Pathways: Endocytosis, Fc gamma R-mediated phagocytosis

Gene Summary: This gene encodes a member of the human ARF gene family, which is part of the RAS

superfamily. The ARF genes encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and

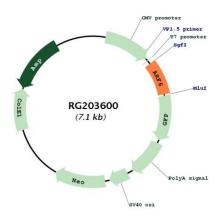
as activators of phospholipase D. The product of this gene is localized to the plasma

membrane, and regulates vesicular trafficking, remodelling of membrane lipids, and signaling

pathways that lead to actin remodeling. A pseudogene of this gene is located on

chromosome 7. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG203600