

Product datasheet for **RG206987**

ARFGAP1 (NM_175609) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARFGAP1 (NM_175609) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ARFGAP1
Synonyms:	ARF1GAP; HRIHFB2281
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206987 representing NM_175609 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGCCCAAGAACCAGGAAGTTCTTAAAGAAGTCAGGGTGCAGGATGAGAACAACGTTTGT
AGTGTGGCGGTTCAATCCTCAGTGGGTCAGTGTGACCTACGGCATCTGGATCTGCCTGGAGTGC
GAGACACCGCGGGCTTGGGGTTCACCTCAGCTTTGTGCGCTCTGTTACTATGGACAAGTGAAGGACATT
GAGCTTGAGAAGATGAAAGCTGGTGGGAATGCTAAGTCCGAGAGTTCCTGGAGTCTCAGGAGGATTACG
ATCCTTGTGCTGGTCTTGCAGGAGAAGTACAACAGCAGAGCCGCGGCCCTTTTAGGGATAAGGTGGTCCG
TCTGGCCGAAGGCAGAGAGTGGTCTCTGGAGTCATCACCTGCCAGAACTGGACCCACCTCAGCCAGG
ACGCTGCCGTCCATGGTGCACCGAGTCTCTGGCCAGCCGAGAGTGTGACCGCCTCTCGGACAAGGCTT
TTGAAGACTGGCTGAATGATGACCTCGGCTCCTATCAAGGGGCCAGGGGAATCGCTACGTGGGTTTGG
GAACACGCCACCGCCTCAGAAGAAAGAAGATGACTTCCTCAACAACGCCATGTCTCCCTGACTCGGGC
TGGAGCAGCTTCACTGGAGCCAGCCGGTTGCCTCGGAGCCAAAGGAGGGCGCTACAAAGTTTGGAT
CCCAAGCAGTCAAGATTTTGGGGTCAACAAGCAGCAGCCGAGCCGCGTCCGAGCTGGCCACAGCCT
GAACGAGAAGTCTCAAGCCTGCGCAGGAGAAGTGAAGGAGGAAAGATTTTGTATGATGTCTCCAGT
GGGTCTCTCAGTTGGCGTCCAAGGGAGTCCGTAAGGATGGCGGGACGTACCACCTTTTTTTCGG
GGAAAGCAGAGGGCCCTTGGACAGCCCTCGGAGGGCCACAGTTATCAGAACAGCGGTCTGGACCACTT
CCAAAACAGCAACATAGACCAGAGCTTCTGGGAGACCTTTGGAAGTGTGAGCCACCAAGACCCGCAAG
TCCCCGAGCAGCAGCTGGACGTGCGCGACACCTCCACCGAGAGGAGGAGCTCGGACAGCTGGGAGG
TGTGGGCTCGGCTCCACCAACAGGAACAGCAACAGCGACGGCGGGAGGGCGGGAGGGCACCAAGAA
GGCAGTGCCGCCGCGTCCCACTGATGATGGCTGGGACAACCAAGAACTGG

ACGGTACGGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

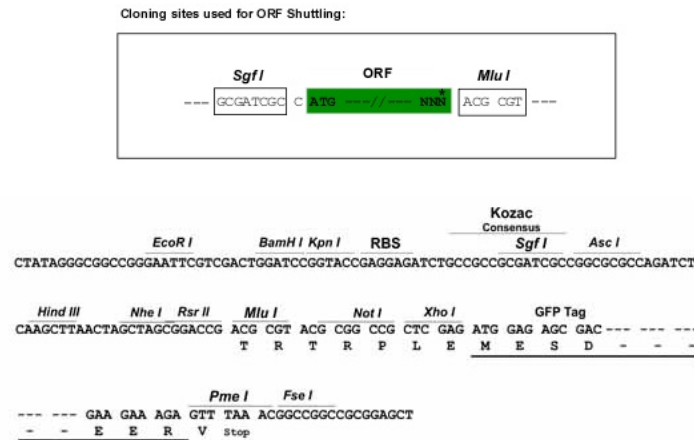
Protein Sequence: >RG206987 representing NM_175609
 Red=Cloning site Green=Tags(s)

MASPRTRKVLKEVVRVQDENNVCFECGAFNPQWVSVTYGIWICLECSGRHRGLGVHLSFVRSVTMDKWKDI
 ELEKMKAGGNAKFREFLESQEDYDPCWSLQEKYNSRAALFRDKVVALAEGREWSLESSPAQNWTTPQPR
 TLPMSVHRVSGQPQSVTASSDKAFEDWLNDDLGSYQGAQGNRYVGFNGTPPPQKKEDDFLNNAMSSLYSG
 WSSFTTGASRFASAAKEGATKFGSQASQKFWGHKQQPEPASELGHSLNENVLKPAQEKVKEGKIFDDVSS
 GVSQQLASKGVGSKGWRDVTTFSSGKAEGPLDSPSEGHSYQNSGLDHFQNSNIDQSFWETFGSAEPTKTRK
 SPSSDSWTCADTSTERRSSDSWEVWGSASTNRNSNSDGGEGGEGTKKAVPPAVPTDDGWDNQNW

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175609

ORF Size: 1242 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_175609.3](#)

RefSeq Size: 3274 bp

RefSeq ORF: 1245 bp

Locus ID: 55738

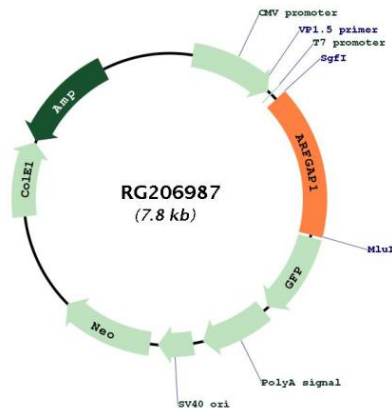
UniProt ID: [Q8N6T3](#)

Cytogenetics: 20q13.33

Protein Pathways: Endocytosis

Gene Summary: The protein encoded by this gene is a GTPase-activating protein, which associates with the Golgi apparatus and which interacts with ADP-ribosylation factor 1. The encoded protein promotes hydrolysis of ADP-ribosylation factor 1-bound GTP and is required for the dissociation of coat proteins from Golgi-derived membranes and vesicles. Dissociation of the coat proteins is required for the fusion of these vesicles with target compartments. The activity of this protein is stimulated by phosphoinositides and inhibited by phosphatidylcholine. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RG206987