

Product datasheet for **RG237721**

ARFGAP1 (NM_001281483) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ARFGAP1 (NM_001281483) 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:	>RG237721 representing NM_001281483. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAATACGACTACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGAACAACCTTTGTGCGCTCTGTTACTATGGACAAGTGGAAGGACATTGAGCTTGAGAAGATGAAA
GCTGGTGGGAATGCTAAGTTCCGAGAGTTCTGGAGTCTCAGGAGGATTACGATCCTTGCTGGTCTTG
CAGGAGAAGTACAACAGCAGAGCCCGGCCCTCTTAGGGATAAGGTGGTCGCTCTGGCCGAAGGCAGA
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CCTCAGAAGAAAGATGACTTCTCAACAACGCCATGTCTCCTGTACTCGGGCTGGAGCAGCTTC
ACCACTGGAGCCAGCCGGTTTGCCTCGGCAGCCAAGGAGGGCGCTACAAAGTTTGGATCCCAAGCGAGT
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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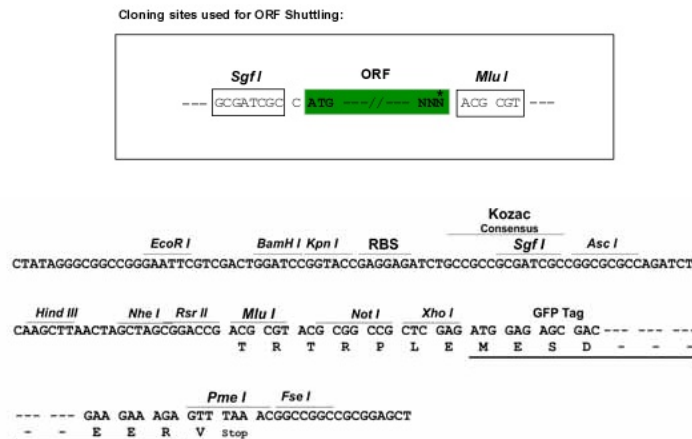
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237721
 Blue=ORF Red=Cloning site Green=Tag(s)

MRTTFVRSVTMDKWKDIELEKMKAGGNAKFREFLESQEDYDPCWSLQEKYNSRAAALFRDKVVALAEGR
 EWSLESSPAQNWTTPPQRTLPSMVHRVSGQPQSVTASSDKAFEDWLNDLGSYQGAQGNRYVGFNTTP
 PQKKEDDFLNNAMSSLYSGWSSFTTGASRFASAKEGATKFGSQASQKFWGHKQQPEPASELGHSLNEN
 VLKPAQEKVKEGIFDDVSSGVSQLASKGVGSKGWRDVTFFSGKAEGPLDSPSEGHSYQNSGLDHFQN
 SNIDQSFWETFGSAEPTKTRKSPSSDWTCADTSTERRSSDSWEVWGSASTNRNSNSDGGEGEGTKKA
 VPPAVPTDDGWDNQNW
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001281483

ORF Size: 1083 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_001281483.1](#), [NP_001268412.1](#)

RefSeq Size: 3199 bp

RefSeq ORF: 1086 bp

Locus ID: 55738

UniProt ID: [Q8N6T3](#)

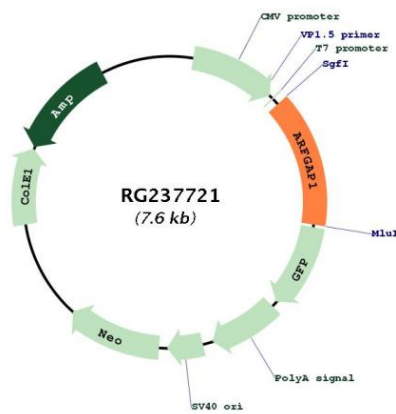
Cytogenetics: 20q13.33

Protein Pathways: Endocytosis

MW: 40.2 kDa

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 RG237721