

## Product datasheet for SC335615

### ARFGAP1 (NM\_001281483) Human Untagged Clone

#### Product data:

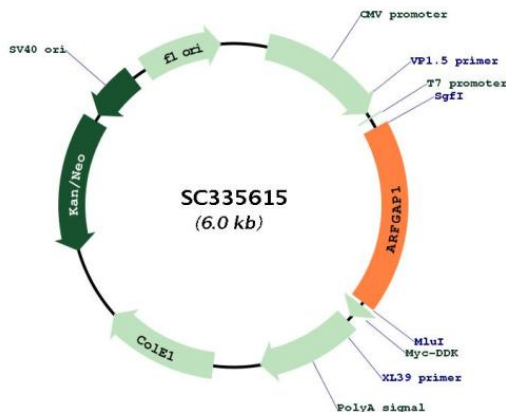
Product Type:	Expression Plasmids
Product Name:	ARFGAP1 (NM_001281483) Human Untagged Clone
Tag:	Tag Free
Symbol:	ARFGAP1
Synonyms:	ARF1GAP; HRIHFB2281
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335615 representing NM_001281483. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGAGAACAACCTTTGTGCGCTCTGTTACTATGGACAAGTGGAAGGACATTGAGCTTGAGAAGATGAAA
GCTGGTGGGAATGCTAAGTTCGAGAGTTCTGGAGTCTCAGGAGGATTACGATCCTTGCTGGTCTTG
CAGGAGAAGTACAACAGCAGAGCCGCGGCCCTTTAGGGATAAGGTGGTCGCTCTGGCCGAAGGCAGA
GAGTGGTCTCTGGAGTCATCACCTGCCAGAAGTGGACCCACCTCAGCCAGGACGCTGCCGTCCATG
GTGCACCGAGTCTCTGGCCAGCCGAGAGTGTGACCGCCTCCTCGGACAAGGCTTTGAAGACTGGCTG
AATGATGACCTCGGCTCCTATCAAGGGGCCAGGGGAATCGCTACGTGGGTTTGGGAACACGCCACCG
CCTCAGAAGAAAGAAGATGACTTCTCAACAACGCCATGTCTCCTGTACTCGGGCTGGAGCAGCTTC
ACCACTGGAGCCAGCCGGTTTGCCTCGGCAGCCAAGGAGGGCGCTACAAAGTTTGGATCCCAAGCGAGT
CAGAAGTTTTGGGGTCACAAGCAGCAGCCGGAGCCGGCGTCCGAGCTGGGCCACAGCCTGAACGAGAAC
GTCTCAAGCCTGCGCAGGAGAAGGTGAAGGAGGGAAAGATTTTTGATGATGTCTCCAGTGGGGTCTCT
CAGTTGGCGTCCAAGGGAGTCGGTAGTAAGGGATGGCGGGACGTACCCACCTTTTTTTCCGGGAAAGCA
GAGGGCCCTTGGACAGCCCTCGGAGGGCCACAGTTATCAGAACAGCGGTCTGGACCACTTCCAAAAC
AGCAACATAGACCAGAGCTTCTGGGAGACCTTTGGAAGTGTGAGCCACCAAGACCCGCAAGTCCCCG
AGCAGCGACAGCTGGACGTGCGCGGACACCTCCACCGAGAGGAGGAGCTCGGACAGCTGGGAGGTGTGG
GGCTCGGCCTCCACCAACAGGAACAGCAACAGCGACGGCGGGGAGGGCGGGGAGGCACCAAGAAGGCA
GTGCCCGCGCCGTGCCACTGATGATGGCTGGGACAACCAGAAGTGGTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001281483

**Insert Size:** 1086 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_001281483.1](#)

**RefSeq Size:** 3199 bp

**RefSeq ORF:** 1086 bp

**Locus ID:** 55738

**UniProt ID:** [Q8N6T3](#)

**Cytogenetics:** 20q13.33

**Protein Pathways:** Endocytosis

**MW:** 39.7 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]

Transcript Variant: This variant (4) lacks an exon in the 5' coding region, and initiates translation at an alternate start codon, compared to variant 2. The encoded isoform (d) has a shorter and distinct N-terminus, compared to isoform b.