

Product datasheet for RC215268L1

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ARFGAP1 (NM_018209) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ARFGAP1 (NM_018209) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: ARFGAP1

Synonyms: ARF1GAP; HRIHFB2281

Mammalian Cell None

Selection:

Vector:pLenti-C-Myc-DDK (PS100064)E. coli Selection:Chloramphenicol (34 ug/mL)

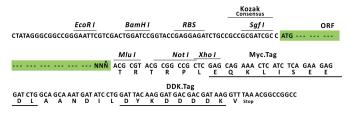
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC215268).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_018209

ORF Size: 1218 bp





ARFGAP1 (NM_018209) Human Tagged Lenti ORF Clone - RC215268L1

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: <u>NM 018209.2</u>

RefSeq Size: 3250 bp RefSeq ORF: 1221 bp Locus ID: 55738

UniProt ID: Q8N6T3

Cytogenetics: 20q13.33

Domains: ArfGap

Protein Pathways: Endocytosis

MW: 44.5 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

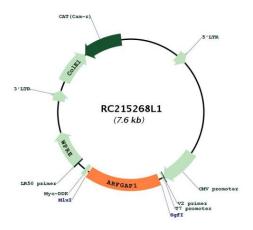
activity of this protein is stimulated by phosphoinosides and inhibited by

phosphatidylcholine. Alternative splicing results in multiple transcript variants. [provided by

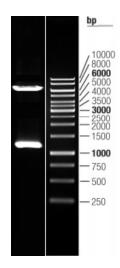
RefSeq, Jul 2013]



Product images:



Circular map for RC215268L1



Double digestion of RC215268L1 using Sgfl and Mlul