

## **Product datasheet for RC204375L3**

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OriGene Technologies, Inc.

## ARL14 (NM\_025047) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: ARL14 (NM\_025047) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: ARL14
Synonyms: ARF7

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

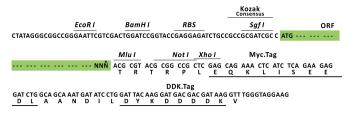
**ORF Nucleotide** The ORF insert of this clone is exactly the same as(RC204375).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





 $<sup>\</sup>ensuremath{^*}$  The last codon before the Stop codon of the ORF.

**ACCN:** NM\_025047

ORF Size: 576 bp





## ARL14 (NM\_025047) Human Tagged Lenti ORF Clone - RC204375L3

**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 025047.1</u>

**RefSeq Size:** 1335 bp

RefSeq ORF: 579 bp

**Locus ID:** 80117

UniProt ID: Q8N4G2

Cytogenetics: 3q25.33

MW: 21.6 kDa

**Gene Summary:** GTPase that recruits MYO1E to MHC class II-containing vesicles via the effector protein

ARL14EP and hence controls the movement of these vesicles along the actin cytoskeleton in

dendritic cells.[UniProtKB/Swiss-Prot Function]