

## ARL2 cDNA

Catalog Number: ATGD0195

### PRODUCT INFORMATION

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**Catalog number**

ATGD0195

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_001658.1

**Alternative Names**

ARFL2

**mRNA Refseq**

NM\_001667.1

**OMIM**

601175

**Chromosome location**

11q13

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

555bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

## ARL2 cDNA

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ARL2 encodes a small GTP-binding protein of the RAS superfamily which functions as an ADP-ribosylation factor (ARF). The encoded protein is one of a functionally distinct group of ARF-like genes.

### DATA

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#### Sequence nucleotides

```
ATGGGGCTCCTGACCATTCTGAAGAAGATGAAGCAGAAAGAGCGGGAGCTGCGACTGCTCATGCTTGGCCTGGACAATGC
TGAAAAGACAACCATCCTGAAGAAGTTCAATGGGGAGGACATCGACACCATCTCCCAACGCTGGGCTTCAACATCAAGAC
CCTGGAGCACCGAGGATTCAAGCTGAACATCTGGGATGTGGGTGGCCAGAAGTCCCTGCGGTCCTACTGGCGGAACTACTT
TGAGAGCACCGATGGCCTCATCTGGGTAGTGGACAGCGCAGACCGCCAGCGCATGCAGGACTGCCAGCGGGAGCTCCAG
AGCCTGCTGGTGGAGGAGCGCCTGGCCGGAGCAACCCTCCTCATCTTTGCTAATAAGCAGGACCTGCCTGGAGCACTGTCC
TCTAACGCCATCCGCGAGGCCCTGGAGCTGGACTCCATCCGCAGCCACCACTGGTGCATCCAGGGCTGCAGCGCCGTCAC
CGGGGAGAACCTGCTGCCGGGCATCGACTGGCTCCTGGATGACATTTCCAGCCGATTTTACAGCTGACTGA
```

#### Transaction Sequence

```
MGLLTILKKM KQKERELRLL MLGLDNAGKT TILKKFNED IDTISPTLGF NIKTLEHRGF KLNIVDVGGQ KSLRSYWRNY
FESTDGLIWW VDSADRQRMQ DCQRELQSLV VEERLAGATL LIFANKQDLP GALSSNAIRE ALELDSIRSH HWCIQGCSAV
TGENLLPGID WLLDDISSRI FTAD
```