

## ARF6 cDNA

Catalog Number: ATGD0192

### PRODUCT INFORMATION

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**Catalog number**

ATGD0192

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_001654.1

**Alternative Names**

**mRNA Refseq**

NM\_001663.3

**OMIM**

600464

**Chromosome location**

14q21.3

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

528bp

**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 Nde 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**

ARF6 encodes a member of the human ARF gene family, which is part of the RAS superfamily. The ARF genes

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encode small guanine nucleotide-binding proteins that stimulate the ADP-ribosyltransferase activity of cholera toxin and play a role in vesicular trafficking and as activators of phospholipase D. The product of this gene is localized to the plasma membrane, and regulates vesicular trafficking, remodelling of membrane lipids, and signaling pathways that lead to actin remodeling. A pseudogene of this gene is located on chromosome 7.

### DATA

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#### Sequence nucleotides

```
ATGGGGAAGGTGCTATCCAAAATCTTCGGGAACAAGGAAATGCGGATCCTCATGTTGGGCCTGGACGCGGCCGGCAAGAC
AACAAATCCTGTACAAGTTGAAGCTGGGCCAGTCGGTGACCACCATTCCCCTGTGGGTTTCAACGTGGAGACGGTGACTTA
CAAAAATGTCAAGTTCAACGTATGGGATGTGGGCGGCCAGGACAAGATCCGGCCGCTCTGGCGGCATTACTACTGGGA
CCCAAGGTCTCATCTTCGTAGTGGACTGCGCCGACCGCGACCGCATCGATGAGGCTCGCCAGGAGCTGCACCGCATTATCA
ATGACCGGGAGATGAGGGACGCCATAATCCTCATCTTCGCCAACAAGCAGGACCTGCCCGATGCCATGAAACCCACGAGA
TCCAGGAGAAACTGGGCCTGACCCGGATTTCGGGACAGGAACTGGTATGTGCAGCCCTCCTGTGCCACCTCAGGGGACGGA
CTCTATGAGGGGCTCACATGGTTAACCTCTAACTACAAATCTTAA
```

#### Transaction Sequence

```
MGKVLKIFG NKEMRILMLG LDAAGKTTIL YKLKLGQSVT TIPTVGFNVE TVTYKNVKFN VWDVGGQDKI RPLWRHYTG
TQGLIFVDC ADRDRIDEAR QELHRIINDR EMRDAILIF ANKQDLPDAM KPHEIQEKLK LTRIRDRNWX VQPSCATSGD
GLYEGTLWLT SNYKS
```