

## ARF3 cDNA

Catalog Number: ATGD0194

### PRODUCT INFORMATION

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**Catalog number**

ATGD0194

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_001650.1

**Alternative Names**

**mRNA Refseq**

NM\_001659.2

**OMIM**

103190

**Chromosome location**

12q13

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

546bp

**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**

ADP-ribosylation factor 3 (ARF3) is a member of the human ARF gene family. These genes encode small guanine

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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 gene products include 6 ARF proteins and 11 ARF-like proteins and constitute 1 family of the RAS superfamily. The ARF proteins are categorized as class I (ARF1, ARF2, and ARF3), class II (ARF4 and ARF5) and class III (ARF6) and members of each class share a common gene organization. The ARF3 gene contains five exons and four introns.

### DATA

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#### Sequence nucleotides

```
ATGGGCAATATCTTTGGAAACCTTCTCAAGAGCCTGATTGGGAAGAAGGAGATGCGCATCCTGATGGTGGGCCTGGATGCC
GCAGGAAAGACCACCATCCTATAACAAGCTGAAACTGGGGGAGATCGTCACCACCATCCCTACCATTGGGTTCAATGTGGAG
ACAGTGGAGTATAAGAACATCAGCTTTACAGTGTGGGATGTGGGTGGCCAGGACAAGATTCGACCCCTCTGGAGACACTAC
TTCCAGAACACCCAAGGGTTGATATTTGTGGTCGACAGCAATGATCGGGAGCGAGTAAATGAGGCCCGGGAAGAGCTGAT
GAGAATGCTGGCGGAGGACGAGCTCCGGGATGCTGTACTCCTTGTCTTTGCAAACAAACAGGATCTGCCTAATGCTATGAA
CGCTGCTGAGATCACAGACAAGCTGGGCCTGCATTCCCTTCGTCACCGTAACTGGTACATTCAGGCCACCTGTGCCACCAG
CGGGGACGGGCTGTACGAAGGCCTGGACTGGCTGGCCAATCAGCTCAAAAACAAGAAGTGA
```

#### Transaction Sequence

```
MGNIFGNLLK SLIGKKEMRI LMVGLDAAGK TTILYKLLKG EIVTTIPTIG FNVETVEYKN ISFTVWDVGG QDKIRPLWRH
YFQNTQGLIF VVDSNDRERV NEAREELMRM LAEDELRAV LLVFANKQDL PNAMNAAEIT DKLGLHSLRH RNWYIQATCA
TSGDGLYEGL DWLANQLKNK K
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