

ARF3 cDNA

Catalog Number: ATGD0194

PRODUCT INFORMATION

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

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

ARF3 cDNA

Catalog Number: ATGD0194

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

Sequence nucleotides

```
ATGGGCAATATCTTTGGAAACCTTCTCAAGAGCCTGATTGGGAAGAAGGAGATGCGCATCCTGATGGTGGGCCTGGATGCC
GCAGGAAAGACCACCATCCTATACAAGCTGAACTGGGGGAGATCGTCACCACCATCCCTACCATTGGGTTCAATGTGGAG
ACAGTGGAGTATAAGAACATCAGCTTTACAGTGTGGGATGTGGGTGGCCAGGACAAGATTCGACCCCTCTGGAGACACTAC
TTCCAGAACACCCAAGGGTTGATATTTGTGGTCGACAGCAATGATCGGGAGCGAGTAAATGAGGCCCGGGAAGAGCTGAT
GAGAATGCTGGCGGAGGACGAGCTCCGGGATGCTGTACTCCTTGTCTTTGCAAACAAACAGGATCTGCCTAATGCTATGAA
CGCTGCTGAGATCACAGACAAGCTGGGCCTGCATTCCCTTCGTCACCGTAACTGGTACATTCAGGCCACCTGTGCCACCAG
CGGGGACGGGCTGTACGAAGGCCTGGACTGGCTGGCCAATCAGCTCAAAAACAAGAAGTGA
```

Transaction Sequence

```
MGNIFGNLLK SLIGKKEMRI LMVGLDAAGK TTILYKLKLG EIVTTIPTIG FNVETVEYKN ISFTVWDVGG QDKIRPLWRH
YFQNTQGLIF VVDSNDRERV NEAREELMRM LAEDELRAV LLVFANKQDL PNAMNAAEIT DKLGLHSLRH RNWYIQATCA
TSGDGLYEG L DWLANQLKNK K
```