

ARF6 cDNA

Catalog Number: ATGD0192

PRODUCT INFORMATION

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

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

Sequence nucleotides

```
ATGGGGAAGGTGCTATCCAAAATCTTCGGGAACAAGGAAATGCGGATCCTCATGTTGGGCCTGGACGCGGCCGGCAAGAC
AACAAATCCTGTACAAGTTGAAGCTGGGCCAGTCGGTGACCACCATTCCCACTGTGGGTTTCAACGTGGAGACGGTGACTTA
CAAAAATGTCAAGTTCAACGTATGGGATGTGGGCGGCCAGGACAAGATCCGGCCGCTCTGGCGGCATTACTACTGGGA
CCCAAGGTCTCATCTTCGTAGTGGACTGCGCCGACCGCGACCGCATCGATGAGGCTCGCCAGGAGCTGCACCGCATTATCA
ATGACCGGGAGATGAGGGACGCCATAATCCTCATCTTCGCCAACAAGCAGGACCTGCCCGATGCCATGAAACCCACGAGA
TCCAGGAGAAACTGGGCCTGACCCGGATTTCGGGACAGGAACTGGTATGTGCAGCCCTCCTGTGCCACCTCAGGGGACGGA
CTCTATGAGGGGCTCACATGGTTAACCTCTAACTACAAATCTTAA
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Transaction Sequence

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