

ARL2BP cDNA

Catalog Number: ATGD0072

PRODUCT INFORMATION

Catalog number

ATGD0072

Product type

cDNA

Species

Human

NCBI Accession No.

NP_036238.1

Alternative Names

BART, BART1, RP66

mRNA Refseq

NM_012106.3

OMIM

615407

Chromosome location

16q13

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

492bp

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

ARL2BP cDNA

Catalog Number: ATGD0072

ARL2BP is an effector of ADP-ribosylation factor-like 2 (ARL2) that is essential for nuclear retention of STAT3. This protein binds to ARL2. GTP with high affinity but does not interact with ARL2. GDP, activated ARF, or RHO proteins. Though predominantly cytosolic, ARL2BP can enter the mitochondria and bind the adenine nucleotide transporter when bound to ARL2. Thus it may also be involved in mitochondria transport and apoptosis.

DATA

Sequence nucleotides

```
ATGGACGCCT TAGAAGGAGA GAGCTTTGCG CTGTCTTTCT CCTCCGCCTC TGATGCAGAA TTTGATGCTG
TGTTGGATA TTTAGAGGAC ATTATCATGG ATGACGAGTT CCAGTTATTA CAGAGAAATT TCATGGACAA
GTACTACCTG GAGTTTGAAG ACACAGAAGA GAATAAACTC ATCTACACAC CTATTTTTAA TGAATACATT TCTTTGGTAG
AAAAATACAT TGAAGAACAG CTGCTGCAGC GGATTCTGA GTTCAACATG GCAGCCTTCA CCACAACATT
ACAGCACCAT AAGGATGAAG TGGCTGGTGA CATATTCGAC ATGCTGCTCA CCTTCACAGA TTTTCTGGCT
TTTAAAGAAA TGTTTTTGGG CTACAGAGCA GAAAAAGAAG GCCGAGGACT GGACTTAAGC AGTGGCTTAG
TGTTGACTTC ATTGTGCAAA TCATCTTCTC TGCCAGCTTC CCAGAACAAT CTGCGGCACT AG
```

Transaction Sequence

```
MDALEGESFA LSFSSASDAE FDAVVGYLED IIMDDEFQLL QRFMDKYYL EFEDTEENKL IYTPIFNEYI SLVEKYIEEQ
LLQRIPEFNM AAFTTTTLQHH KDEVAGDIFD MLLTFTDFLA FKEMFLDYRA EKEGRGLDLS SGLVVTSLCK SSSLPASQNN LRH
```