

ARPC2 cDNA

Catalog Number: ATGD0403

PRODUCT INFORMATION

Catalog number

ATGD0403

Product type

cDNA

Species

Human

NCBI Accession No.

NP_005722.1

Alternative Names

ARC34, p34-Arc, PNAS-139, PRO2446

mRNA Refseq

NM_005731.3

OMIM

604224

Chromosome location

2q36.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

903bp

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 Hind III. 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

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ARPC2 is one of seven subunits of the human Arp2/3 protein complex. The Arp2/3 protein complex has been implicated in the control of actin polymerization in cells and has been conserved through evolution. Two alternatively spliced variants have been characterized to date. Additional alternatively spliced variants have been described but their full length nature has not been determined.

DATA

Sequence nucleotides

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ATGATCCTGCTGGAGGTGAACAACCGCATCATCGAGGAGACGCTCGCGCTCAAGTTCGAGAACGCGGCCGCCGAAACAA
ACCGGAAGCAGTAGAAGTAACATTTGCAGATTTTCGATGGGGTCCTCTATCATATTTCAAATCCTAATGGAGACAAAACAAA
GTGATGGTCAGTATTTCTTTGAAATTCTACAAGGAACCTCAGGCACATGGTGCTGATGAGTTATTAAGAGGGTGTACGGGA
GTTTCTTGGTAAATCCAGAATCAGGATAACAATGTCTCTTTGCTATATGACCTTGAAAATCTTCCGGCATCCAAGGATTCCATT
GTGCATCAAGCTGGCATGTTGAAGCGAAATTGTTTTGCCTCTGTCTTTGAAAAATACTTCCAATTCCAAGAAGAGGGCAAGG
AAGGAGAGAACAGGGCAGTTATCCATTATAGGGATGATGAGACCATGTATGTTGAGTCTAAAAAGGACAGAGTCACAGTAG
TCTTCAGCACAGTGTAAAGGATGACGACGATGTGGTCATTGGAAAGGTGTTTCATGCAGGAGTTCAAAGAAGGACGCAGAG
CCAGCCACACAGCCCCACAGGTCCTCTTTAGCCACAGGGAACCTCCTCTGGAGCTGAAAGACACAGACGCCGCTGTGGGTG
ACAACATTGGCTACATTACCTTTGTGCTGTTCCCTCGTCACACCAATGCCAGTGCTCGAGACAACACCATCAACCTGATCCAC
ACGTTCCGGGACTACCTGCACTACCACATCAAGTGCTCTAAGGCCTATATTCACACACGTATGCGGGCGAAAACGTCTGACT
TCCTCAAGGTGCTGAACCGCGCACGCCAGATGCCGAGAAAAAAGAAATGAAAACAATCACGGGGAAGACGTTTTTCATCCC
GCTAA
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Transaction Sequence

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MILLEVNNRI IEETLALKFE NAAAGNKPEA VEVTFADFDG VLYHISNPNG DTKKVMVIS LKFYKELQAH GADELLKRVY
GSFLVNPESG YNVSLLYDLE NLPASKDSIV HQAGMLKRNC FASVFEKYFQ FQEEGKEGEN RAVIHYRDDE TMYVESKDR
VTVVFSTVFK DDDDVVIGKV FMQEFKEGRR ASHTAPQVLF SHREPPLEK DTDAAVGDNI GYITFVLFPR HTNASARDNT
INLIHTFRDY LHYHIKCSKA YIHTRMRAKT SDFLKVLRNRA RPDAEKKEMK TITGKTFSSR
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