

ANKRD1 cDNA

Catalog Number: ATGD0287

PRODUCT INFORMATION

Catalog number

ATGD0287

Product type

cDNA

Species

Human

NCBI Accession No.

NP_055206.2

Alternative Names

ALRP, bA320F15.2, C-193, CARP, CVARP, MCARP

mRNA Refseq

NM_014391.2

OMIM

609599

Chromosome location

10q23.31

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

960bp

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

ANKRD1 cDNA

Catalog Number: ATGD0287

ANKRD1 is localized to the nucleus of endothelial cells and is induced by IL-1 and TNF-alpha stimulation. Studies in rat cardiomyocytes suggest that this gene functions as a transcription factor. Interactions between this protein and the sarcomeric proteins myopalladin and titin suggest that it may also be involved in the myofibrillar stretch-sensor system.

DATA

Sequence nucleotides

```
ATGATGGTACTGAAAGTAGAGGAAGTGGTCACTGGAAAGAAGAATGGCAATGGGGAGGCAGGGGAATTCCTTCCTGAGGA
TTTCAGAGATGGAGAGTATGAAGCTGCTGTTACTTTAGAGAAGCAGGAGGATCTGAAGACACTTCTAGCCCACCCTGTGAC
CCTGGGGGAGCAACAGTGGAAAAGCGAGAAACAACGAGAGGCAGAGCTCAAAAAGAAAAAACTAGAACAAGATCAAAGC
TTGAAAATTTAGAAGACCTTGAAATAATCATTCAACTGAAGAAAAGGAAAAAATACAGGAAAACTAAAGTTCCAGTTGTAAAG
GAACCAGAACCTGAAATCATTACGGAACCTGTGGATGTGCCTACGTTTCTGAAGGCTGCTCTGGAGAATAAACTGCCAGTA
GTAGAAAAATTCTTGTCAGACAAGAACAATCCAGATGTTTGTGATGAGTATAAACGGACAGCTCTTCATAGAGCATGCTTGG
AAGGACATTTGGCAATTGTGGAGAAGTTAATGGAAGCTGGAGCCCAGATCGAATTCGGTGATATGCTTGAATCCACAGCCAT
CCACTGGGCAAGCCGTGGAGGAAACCTGGATGTTTTAAAATTGTTGCTGAATAAAGGAGCAAAAATTAGCGCCCGAGATAA
GTTGCTCAGCACAGCGCTGCATGTGGCGGTGAGGACTGGCCACTATGAGTGC GCGGAGCATCTTATCGCCTGTGAGGCAG
ACCTCAACGCCAAAGACAGAGAAGGAGATACCCCGTTGCATGATGCGGTGAGACTGAACCGCTATAAGATGATCCGACTCC
TGATTATGTATGGCGCGGATCTCAACATCAAGAACTGTGCTGGGAAGACGCCGATGGATCTGGTGCTACACTGGCAGAATG
GAACCAAAGCAATATTCGACAGCCTCAGAGAGAACTCCTACAAGACCTCTCGCATAGCTACATTCTGA
```

Transaction Sequence

```
MMVLKVEELV TGKKNNGNEA GEFLPEDFRD GEYEA AVTLE KQEDLKTLLA HPVTLGEQQW KSEKQREAE LKKKLEQRSK
LENLEDLEII IQLKKRKKYR KTKVPVVEKEPEIITEPVD VPTFLKAALE NKLPVVEKFL SDKNNPDVCD EYKRTALHRA
CLEGHLAIVE KLMEAGAQIE FRDMLESTAI HWASRGGNLD VLKLLLNKGA KISARDKLLS TALHVAVRTG HYECAEHLIA
CEADLNAKDR EGDTPHDAV RLNRYKMIRL LIMYGADLNI KNCAGKTPMD LVLHWQNGTK AIFDSLRENS YKTSRIATF
```