

AP1AR cDNA

Catalog Number: ATGD0447

PRODUCT INFORMATION

Catalog number

ATGD0447

Product type

cDNA

Species

Human

NCBI Accession No.

NP_061039.3

Alternative Names

2C18, C4orf16, gamma-BAR, GBAR, PRO0971

mRNA Refseq

NM_018569.4

OMIM

610851

Chromosome location

4q25

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

909bp

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

AP1AR cDNA

Catalog Number: ATGD0447

AP1AR is necessary for adaptor protein complex 1 (AP-1) -dependent transport between the trans-Golgi network and endosomes. It regulates the membrane association of AP1G1/gamma1-adaptin, one of the subunits of the AP-1 adaptor complex. The direct interaction with AP1G1/gamma1-adaptin attenuates the release of the AP-1 complex from membranes.

DATA

Sequence nucleotides

```
ATGGGGAACTGCTGCTGGACGCACTGCTTCGGACTGCTTCGCAAGGAAGCGGGGCGGCTGCAGCGAGTAGGCGGCGGCG
GAGGATCCAAGTATTTTAGAACATGCTCAAGAGGTGAGCACTTAACAATAGAGTTTGAGAATCTAGTAGAAAGTGATGAAGG
GGAGAGCCCAGGAAGCAGTCATAGGCCTCTTACTGAGGAAGAAATTGTTGACCTAAGAGAAAGGCATTATGATTCCATTGC
CGAAAAACAAAAAGATCTTGATAAGAAAATTCAAAAAGAGTTAGCCTTACAAGAAGAGAAGTTAAGACTAGAAGAAGAAGCT
TTATACGCTGCACAGCGTGAAGCAGCCAGGGCAGCAAAGCAGCGAAAGCTCTTGGAGCAAGAAAGGCAGAGAATTGTGCA
GCAATATCATCCTTCCAACAATGGAGAATATCAAAGTTCAGGACCAGAAGATGACTTCGAATCTTGTGTTGAGAAATATGAAGT
CACAGTATGAAGTTTTTTCGAAGTAGTAGACTCTCATCAGATGCTACAGTTTTGACACCAAATACAGAAAGCAGTTGTGATTTA
ATGACCAAACTAAATCAACTAGTGGAATGACGACAGCACATCCTTAGATCTAGAGTGGAAGATGAAGAAGGAATGAAT
AGAATGCTTCCAATGAGAGAACGTTCCAAAACAGAGGAAGACATTCTACGGGCAGCACTTAAGTATAGCAACAAGAAGACT
GGAAGTAATCCTACATCAGCCTCTGATGATTCCAATGGGCTGGAGTGGGAAAATGATTTTGTTAGTGCCGAAATGGATGATA
ATGGAAATCCGAGTATTCTGGATTTGTAAATCCTGTATTAGAACTGTCTGATTCTGGCATAAGGCATTCTGACACAGATCAA
CAGACTCGATAG
```

Transaction Sequence

```
MGNCCWTQCF GLLRKEAGRL QRVGGGGGSK YFRTCSRGEH LTIEFENLVE SDEGESPGSSHRPLTEEEIV DLRERHYDSI
AEKQKDLDDK IQKELALQEE KLRLEEEALY AAQREAAARAQKRLLEQER QRIVQQYHPS NNGEYQSSGP EDDFESCLRN
MKSQYEVFRS SRLSSDATVLPNTESSCDL MTKTKSTSGN DDSTSLDLEW EDEEGMNRML PMRERSKTEE
DILRAALKYSNKKTGSNPTS ASDDSNGLEW ENDFVSAEMD DNGNSEYSGF VNPVLELSDS GIRHSDTDQQTR
```