

CAV2 cDNA

Catalog Number: ATGD0425

PRODUCT INFORMATION

Catalog number

ATGD0425

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001224.1

Alternative Names

CAV, Caveolin 2

mRNA Refseq

NM_001233.4

OMIM

601048

Chromosome location

7q31.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

489bp

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 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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CAV2 belongs to the caveolin family and may act as a scaffolding protein within caveolar membranes. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. Additional isoforms resulting from the use of alternate in-frame translation initiation codons have also been described, and shown to have preferential localization in the cell.

DATA

Sequence nucleotides

```
ATGGGGCTGGAGACGGAGAAGGCGGACGTACAGCTCTTCATGGACGACGACTCCTACAGCCACCACAGCGGCCTCGAGTA
CGCCGACCCCGAGAAGTTCGCGGACTCGGACCAGGACCGGGATCCCCACCGGCTCAACTCGCATCTCAAGCTGGGCTTCG
AGGATGTGATCGCAGAGCCGGTGACTACGCACTCCTTTGACAAAGTGTGGATCTGCAGCCATGCCCTCTTTGAAATCAGCA
AATACGTAATGTACAAGTTCCTGACGGTGTTCTGGCCATTCCCCTGGCCTTCATTGCGGGAATTCTCTTTGCCACCCTCAG
CTGTCTGCACATCTGGATTTAATGCCTTTTGTAAGACCTGCCTAATGGTTCTGCCTTCAGTGCAGACAATATGGAAGAGTG
TGACAGATGTTATCATTGCTCCATTGTGTACGAGCGTAGGACGATGCTTCTTCTGTGAGCCTGCAACTGAGCCAGGATTG
A
```

Transaction Sequence

```
MGLETEKADV QLFMDDDSYS HHSGLEAYADP EKFA DSDQDR DPHRLNSHLK LGFEDVIAEP VTTHSFDK VV IC SHALFEIS
KYVMYKFLTV FLAIPLAFIA GILFATLSCL HIWILMPFVK TCLMVLPVSVQ TIWKSVDVI IAPLCTSVGR CFSSVSLQLS QD
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