

## CAV2 cDNA

Catalog Number: ATGD0425

### PRODUCT INFORMATION

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**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

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**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

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#### Sequence nucleotides

```
ATGGGGCTGGAGACGGAGAAGGCGGACGTACAGCTCTTCATGGACGACGACTCCTACAGCCACCACAGCGGCCTCGAGTA
CGCCGACCCCGAGAAGTTCGCGGACTCGGACCAGGACCGGGATCCCCACCGGCTCAACTCGCATCTCAAGCTGGGCTTCG
AGGATGTGATCGCAGAGCCGGTGACTACGCACTCCTTTGACAAAGTGTGGATCTGCAGCCATGCCCTCTTTGAAATCAGCA
AATACGTAATGTACAAGTTCCTGACGGTGTTCTGGCCATTCCCCTGGCCTTCATTGCGGGAATTCTCTTTGCCACCCTCAG
CTGTCTGCACATCTGGATTTAATGCCTTTTGTAAGACCTGCCTAATGGTTCTGCCTTCAGTGCAGACAATATGGAAGAGTG
TGACAGATGTTATCATTGCTCCATTGTGTACGAGCGTAGGACGATGCTTCTCTTCTGTGAGCCTGCAACTGAGCCAGGATTG
A
```

#### Transaction Sequence

```
MGLETEKADV QLFMDDDSYS HHSGLEADP EKFADSDQDR DPHRLNSHLK LGFEDVIAEP VTTHSFDKVV ICSHALFEIS
KYVMYKFLTV FLAIPLAFIA GILFATLSCL HIWILMPFVK TCLMVLPSVQ TIWKSVDVI IAPLCTSVGR CFSSVSLQLS QD
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