

SPA17 cDNA

Catalog Number: ATGD0437

PRODUCT INFORMATION

Catalog number

ATGD0437

Product type

cDNA

Species

Human

NCBI Accession No.

NP_059121.1

Alternative Names

CT22, SP17, SP17-1

mRNA Refseq

NM_017425.3

OMIM

608621

Chromosome location

11q24.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

456bp

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

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SPA17 encodes a protein present at the cell surface. The N-terminus has sequence similarity to human cAMP-dependent protein kinase A (PKA) type II alpha regulatory subunit (RIIa) while the C-terminus has an IQ calmodulin-binding motif. The central portion of the protein has carbohydrate binding motifs and likely functions in cell-cell adhesion. A retrotransposed pseudogene is present on chromosome 10q22.

DATA

Sequence nucleotides

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ATGTCGATTCCATTCTCCAACACCCACTACCGAATTCCACAAGGATTTGGGAATCTTCTTGAAGGGCTGACACGCGAGATTC
TGAGAGAGCAACCGGACAATATACCAGCTTTTGCAGCAGCCTATTTTGAGAGCCTTCTAGAGAAAAGAGAGAAAACCAACTT
TGATCCAGCAGAATGGGGGAGTAAGGTAGAAGACCGCTTCTATAACAATCATGCATTGAGGAGCAAGAACCACCTGAGAA
AAGTGATCCTAAACAAGAAGAGTCTCAGATATCTGGGAAGGAGGAAGAGACATCAGTCACCATCTTAGACTCTTCTGAGGA
AGATAAGGAAAAAGAAGAGGTTGCTGCTGTCAAAATCCAAGCTGCCTTCCGGGGACACATAGCCAGAGAGGAGGCAAAGA
AAATGAAAACAAATAGTCTTCAAAATGAGGAAAAAGAGGAAAACAAGTGA
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Transaction Sequence

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MSIPFSNTHY RIPQGFGNLL EGLTREILRE QPDNIPAFAA AYFESLLEKR EKTNFDPAEW GSKVEDRFYN NHAFEEQEPP
EKSDPKQEEES QISGKEEETS VTILDSSEED KEKEEVAVK IQAAFRGHIA REEAKKMKTN SLQNEEKEEN K
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