

CAPS cDNA

Catalog Number: ATGD0222

PRODUCT INFORMATION

Catalog number

ATGD0222

Product type

cDNA

Species

Human

NCBI Accession No.

NP_004049.2

Alternative Names

CAPS1

mRNA Refseq

NM_004058.4

OMIM

114212

Chromosome location

19p13.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

570bp

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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CAPS encodes a calcium-binding protein, which may play a role in the regulation of ion transport. A similar protein was first described as a potentially important regulatory protein in the dog thyroid and was termed as R2D5 antigen in rabbit. Alternative splicing of this gene generates two transcript variants.

DATA

Sequence nucleotides

```
ATGCAGTGCCACAGGGATCTGGCTCTGTCCCAGGCCCTGTGGGGCTGGCAGTTGAGTAAGCAGTCAGGCTGGGCGCACCC
ATCCCTCCCCCACTCCCCACTGCCCAGCACAGTGCATTCATGCAGCTGGGCCCCACCCCATCTCCAGAGGCACCTTCCACTA
GCAACAGTCTCCCCAGGCACAACACAGCTAACACAAGGCCCGCAGGCAGGACTCTGGGACAGACGCAGGCCAGCTGCCC
AGAGCCCAGACCAAGCATGGACGCCGTGGATGCCACCATGGAGAACTCCGGGCACAGTGCCTGTCCCGCGGGGCCTCG
GGCATCCAGGGCCTGGCCAGGTTTTTCCGCCAACTAGACCGGGACGGGAGCAGATCCCTGGACGCTGATGAGTTCCGGCA
GGGTCTGGCCAACTCGGGCTGGTGCTGGACCAGGCGGAGGCAGAGGGTGTGTGCAGGAAGTGGGACCGCAATGGCAGC
GGGACGCTGGATCTGGAGGAGTTCCTTCGGGCGCTGCGGCCCCCATGTCCCAGGCCCGGGAGGCTGTCATCGCAGCTGC
ATTTGCCAAGCTGGACCGCAGTGGGGACGGCGTCGTGACGGTGGACGACCTCCGCGGGGTGTACAGTGGCCGTGCCCAC
CCCAAGGTGCGCAGTGGGGAGTGGACCGAGGACGAGGTGCTGCGCCGCTTCCTGGACAACCTTCGACTCCTCTGAGAAGGA
CGGGCAGGTCACACTGGCGGAATTCCAGGACTACTACAGCGGCGTGAGTGCCTCCATGAACACGGATGAGGAGTTCGTGG
CCATGATGACCAGTGCCTGGCAGCTGTGA
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Transaction Sequence

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MQCHRDALS QALWGWQLSK QSGWAHPSLP HSPLSTVHS CSWAPPHLQR HLPLATVSPG TTQLTQGPAG
RTLGQTQASC PEPRPSMDAV DATMEKLRAQ CLSRGASGIQ GLARFFRQLD RDGSRSLDAD EFRQGLAKLG LVLDQAEAE
VCRKWDRNGS GTLDLEEFLLR ALRPPMSQAR EAVIAAAFAK LDRSGDGVVT VDDL RGVYSG RAHPKVRSGE WTEDEVLR
LDNFDSSEKD GQVT LAEFQD YYS GVSASMN TDEEFVAMMT SAWQL
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