

PCOTH cDNA

Catalog Number: ATGD0374

PRODUCT INFORMATION

Catalog number

ATGD0374

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001014442.2

Alternative Names

C1QTNF9B-AS1

mRNA Refseq

NM_001014442.2

OMIM**Chromosome location**

13q12

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

324bp

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

PCOTH (Prostate collagen triple helix protein) is a 107 amino acid cytoplasmic protein that is specifically

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expressed in prostate and testis. PCOTH may play a significant role in the proliferation and viability of prostate cancers by way of phosphorylating the oncoprotein I2PP2A.

DATA

Sequence nucleotides

```
ATGTGGATCTTATCAAATTTAATGGGACACATCTGAAGAAGGAACTTGCTCAGCACCGTGAGCCCCACAGTGAAAGCACTTT
TTGGCAAGACTAGAGTCTCACCGATTTTCCCTTTCTCTCCTCGATCTCCTTTCCAGCCTCTTATCCCCGGACTCCTGGCTCA
CCCTGGGGCCCCGTGGGTCCAGCTTCTCCCTTGGGACCAGGCTTTCCAATAGGGCCCATGGGGCCCCGGTAAACCAGTTGG
GCCCAAAGGCCCAATGTTGCCCTTGCCCCCTCAGGACCAGTGGGACCCACGTACCCTTATCCCCTTCTGCCCCTGA
```

Transaction Sequence

```
MWILSNLMGT SEEGNLLSTV SPTVKALFGK TRVSPFPFS PRSPFQPLIP RTPGSPWGPVGPASPLGPGF PIGPMGPGKP
VGPKGPMLPL GPSGPVGPTS PLFPFCP
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