

ACOT13 cDNA

Catalog Number: ATGD0076

PRODUCT INFORMATION

Catalog number

ATGD0076

Product type

cDNA

Species

Human

NCBI Accession No.

NP_060943.1

Alternative Names

HT012, PNAS-27, THEM2

mRNA Refseq

NM_018473.3

OMIM

615652

Chromosome location

6p22.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

423bp

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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Acyl-coenzyme A thioesterase 13, also known ACOT13, belongs to the thioesterase subfamily of esterase family. Highly expressed in kidney with moderate expression in brain, liver and intestines, ACOT13 contains a hotdog-fold and is thought to co-localize with microtubules, possibly playing a role in cellular proliferation events. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus.

DATA

Sequence nucleotides

```
ATGACCAGCA TGACTCAGTC TCTGCGGGAG GTGATAAAGG CCATGACCAA GGCTCGCAAT TTTGAGAGAG
TTTTGGGAAA GATTACTCTT GTCTCTGCTG CTCCTGGGAA AGTGATTTGT GAAATGAAAG TAGAAGAAGA
GCATACCAAT GCAATAGGCA CTCTCCACGG CGGTTTGACA GCCACGTTAG TAGATAACAT ATCAACAATG
GCTCTGCTAT GCACGGAAAG GGGAGCACCC GGAGTCAGTG TCGATATGAA CATAACGTAC ATGTCACCTG
CAAATTAGG AGAAGATATA GTGATTACAG CACATGTTCT GAAGCAAGGA AAAACACTTG CATTTACCTC
TGTGGATCTG ACCAACAAGG CCACAGGAAA ATTAATAGCA CAAGGAAGAC ACACAAAACA CCTGGGAAAC TGA
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Transaction Sequence

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MTSMTQSLRE VIKAMTKARN FERVLGKITL VSAAPGKVIC EMKVVEEHTN AIGTLHGGLT ATLVDNISTM ALLCTERGAP
GVSVDMNITY MSPAKLGEDI VITAHVLKQG KTLAFTSVDL TNKATGKLIQ QGRHTKHLGN
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