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

Centrifuge at 7000rpm for 1 minute.
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



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 hotdogfold 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 CAAAATTAGG AGAAGATATA GTGATTACAG CACATGTTCT GAAGCAAGGA AAAACACTTG CATTTACCTC TGTGGATCTG ACCAACAAGG CCACAGGAAA ATTAATAGCA CAAGGAAGAC ACACAAAACA CCTGGGAAAC TGA

Transaction Sequence

MTSMTQSLRE VIKAMTKARN FERVLGKITL VSAAPGKVIC EMKVEEEHTN AIGTLHGGLT ATLVDNISTM ALLCTERGAP GVSVDMNITY MSPAKLGEDI VITAHVLKQG KTLAFTSVDL TNKATGKLIA QGRHTKHLGN