

THEM4 cDNA

Catalog Number: ATGD0368

PRODUCT INFORMATION

Catalog number

ATGD0368

Product type

cDNA

Species

Human

NCBI Accession No.

NP_444283.1

Alternative Names

CTMP

mRNA Refseq

NM_053055.1

OMIM

Chromosome location

1q21

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

723bp

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

CTMP has acyl-CoA thioesterase activity towards medium and long-chain (C14 to C18) fatty acyl-CoA substrates,

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and probably plays an role in mitochondrial fatty acid metabolism. It plays a role in the apoptotic process, possibly via its regulation of AKT1 activity.

DATA

Sequence nucleotides

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ATGCTGAGGAGCTGCGCCGCGCGCCTCCGCACGCTGGGGGCTCTGTGCCGGCCGCCAGTAGGCCGGCGCCTGCCGGGAA
GCGAGCCGCGACCCGAGCTGAGGTCATTTTCTTCTGAGGAAGTCATTCTTAAGGACTGTTCTGTCCCAACCCAGCTGGA
ACAAGGACCTAAGACTGCTCTTTGACCAGTTTATGAAGAAATGTGAAGATGGCTCCTGGAACGTTTGCCTTCATATAAAG
TACACCTACTGAATGGATTCAAGACTTCAAACCCATTTTCTTGACCCAAAGCTTATGAAAGAAGAACAATGTCACAGGCC
AGCTCTTCACCAGAAGCTTTGATGATGGCCTGGGCTTTGAATACGTGATGTTCTACAATGACATTGAGAAAAGGATGGTTTG
CTTATTTCAAGGAGGCCCTTACCTGGAAGGACCACCTGGATTCAATCATGGAGGTGCCATTGCAACCATGATTGATGCTACT
GTTGGTATGTGTGCAATGATGGCTGGGGGAATCGTCATGACTGCCAATCTCAACATCAATTATAAAAGACCTATCCCTCTTT
GTTCTGTTGTTATGATAAATAGCCAACTTGATAAAGTTGAAGGAAGGAAATTTTTGTTTCCTGTAATGTTTCAGAGTGTTGAT
GAGAAGACCCTATACTCAGAGGCGACAAGCTTATTTATAAAGCTGAATCCTGCTAAAAGTCTGACATAA
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Transaction Sequence

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MLRSCAARLR TLGALCRPPV GRRLPGSEPR PELRSFSSEE VILKDCSVPN PSWNKDLRLL FDQFMKKCED GSWKRLPSYK
RTPTEWIQDF KTHFLDPKLM KEEQMSQAQL FTRSFDDGLG FEYVMFYNDI EKRMVCLFQG GPYLEGPPGF IHGGAIATMI
DATVGMCAMM AGGIVMTANL NINYKRPIPL CSVVMINSQL DKVEGRKFFV SCNVQSVDEK TLYSEATSLF IKLNPAKSLT
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