## PRODUCT INFORMATION

## Catalog number

## ATGD0387

## Product type

cDNA
Species
Human

## NCBI Accession No.

NP_054779.1

## Alternative Names

MCT-1, MCT1
mRNA Refseq
NM_014060.2

## OMIM

300587

## Chromosome location

Xq24

## PRODUCT SPECIFICATION

## Formulation

Lyophilized

## Storage

Store the plasmid at -20C.
cDNA Size
546bp

## Preparation before usage

1. Centrifuge at 7000 rpm for 1 minute.
2. Carefully open the vial and add 100 ul of sterile water to dissolve the DNA.

Each tube contains approximately 10 ug 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

MCTS1 (malignant T cell amplified sequence 1), also known as MCT1, is a 181 amino acid protein that is ubiquitously expressed and localizes to the cytoplasm of cells. MCTS1 may play a role in cell cycle regulation by decreasing cell doubling time and by shortening the duration of G1 transit time and G1/S transition.

DATA

## Sequence nucleotides

ATGTTCAAGAAATTTGATGAAAAAGAAAATGTGTCCAACTGCATCCAGTTGAAAACTTCAGTTATTAAGGGTATTAAGAATCA ATTGATAGAGCAATTTCCAGGTATTGAACCATGGCTTAATCAAATCATGCCTAAGAAAGATCCTGTCAAAATAGTCCGATGCC ATGAACATATAGAAATCCTTACAGTAAATGGAGAATTACTCTTTTTTAGACAAAGAGAAGGGCCTTTTTATCCAACCCTAAGA TTACTTCACAAATATCCTTTTATCCTGCCACACCAGCAGGTTGATAAAGGAGCCATCAAATTTGTACTCAGTGGAGCAAATAT CATGTGTCCAGGCTTAACTTCTCCTGGAGCTAAGCTTTACCCTGCTGCAGTAGATACCATTGTTGCTATCATGGCAGAAGGA AAACAGCATGCTCTATGTGTTGGAGTCATGAAGATGTCTGCAGAAGACATTGAGAAAGTCAACAAAGGAATTGGCATTGAAA ATATCCATTATTTAAATGATGGGCTGTGGCATATGAAGACATATAAATGA

## Transaction Sequence

MFKKFDEKEN VSNCIQLKTS VIKGIKNQLI EQFPGIEPWL NQIMPKKDPV KIVRCHEHIEILTVNGELLF FRQREGPFYP TLRLLHKYPF ILPHQQVDKG AIKFVLSGAN IMCPGLTSPGAKLYPAAVDT IVAIMAEGKQ HALCVGVMKM SAEDIEKVNK GIGIENIHYL NDGLWHMKTYK

