

## MCTS1 cDNA

Catalog Number: ATGD0387

### PRODUCT INFORMATION

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**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

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

546bp

**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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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

```
ATGTTCAAGAAATTTGATGAAAAAGAAAATGTGTCCAACCTGCATCCAGTTGAAAACCTTCAGTTATTAAGGGTATTAAGAATCA
ATTGATAGAGCAATTTCCAGGTATTGAACCATGGCTTAATCAAATCATGCCTAAGAAAGATCCTGTCAAAATAGTCCGATGCC
ATGAACATATAGAAATCCTTACAGTAAATGGAGAATTACTCTTTTTAGACAAAGAGAAGGGCCTTTTTATCCAACCCTAAGA
TTACTTCACAAATATCCTTTTATCCTGCCACACCAGCAGGTTGATAAAGGAGCCATCAAATTTGTACTCAGTGGAGCAAATAT
CATGTGTCCAGGCTTAACCTTCTCCTGGAGCTAAGCTTTACCCTGCTGCAGTAGATACCATTGTTGCTATCATGGCAGAAGGA
AAACAGCATGCTCTATGTGTTGGAGTCATGAAGATGTCTGCAGAAGACATTGAGAAAGTCAACAAAGGAATTGGCATTGAAA
ATATCCATTATTTAAATGATGGGCTGTGGCATATGAAGACATATAAATGA
```

### Transaction Sequence

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