

MCTS1 cDNA

Catalog Number: ATGD0387

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 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

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ATGTTCAAGAAATTTGATGAAAAAGAAAATGTGTCCAACCTGCATCCAGTTGAAAACCTTCAGTTATTAAGGGTATTAAGAATCA
ATTGATAGAGCAATTTCCAGGTATTGAACCATGGCTTAATCAAATCATGCCTAAGAAAGATCCTGTCAAAATAGTCCGATGCC
ATGAACATATAGAAATCCTTACAGTAAATGGAGAATTACTCTTTTTAGACAAAGAGAAGGGCCTTTTATCCAACCCTAAGA
TTACTTCACAAATATCCTTTTATCCTGCCACACCAGCAGGTTGATAAAGGAGCCATCAAATTTGTACTCAGTGGAGCAAATAT
CATGTGTCCAGGCTTAACCTTCTCCTGGAGCTAAGCTTTACCCTGCTGCAGTAGATACCATTGTTGCTATCATGGCAGAAGGA
AAACAGCATGCTCTATGTGTTGGAGTCATGAAGATGTCTGCAGAAGACATTGAGAAAGTCAACAAAGGAATTGGCATTGAAA
ATATCCATTATTTAAATGATGGGCTGTGGCATATGAAGACATATAAATGA
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Transaction Sequence

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