9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MCTS1 Human

Malignant T-Cell-Amplified Sequence 1 Human Recombinant
RCP1341

Product Overview

Name	MCTS1 Human

Description

Malignant T-Cell-Amplified Sequence 1 Human Recombinant

Accession (Primary)	Q9ULC4

Synonyms

MCT-1, MCT1, Malignant T-cell-amplified sequence 1, Multiple copies T-cell malignancies.

Introduction

Malignant T cell amplified sequence 1 (MCTS1) is an Anti-oncogene which takes part in cell cycle regulation by means of decreasing cell doubling time and encouraging-dependent growth and also by shorting the duration of G1 transit time and G1/S transition. MCTS1 also plays a role as translation enhancer. MCTS1 recruits the density-regulated protein/DENR and binds to the cap complex of the 5'-terminus of mRNAs, thereupon altering the mRNA translation profile; Up-regulates protein levels of BCL2L2, TFDP1, MRE11A, CCND1 and E2F1, while mRNA levels remains constant.

Source

E.coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

MCTF1 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MFKKFDE KENVSNCIQL KTSVIKGIKN QLIEQFPGIE PWLNQIMPKK DPVKIVRCHE HIEILTVNGE LLFFRQREGP FYPTLRLLHK YPFILPHQQV DKGAIKFVLS GANIMCPGLT SPGAKLYPAA VDTIVAIMAE GKQHALCVGV MKMSAEDIEK VNKGIGIENI HYLNDGLWHM KTYK.

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Precautions

MCTS1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9ULC4)