

## 32-4188: Recombinant Human Malignant T-Cell-Amplified Sequence 1

**Alternative Name :** MCT-1,MCT1,Malignant T-cell-amplified sequence 1,Multiple copies T-cell malignancies.

### Description

Source : E.coli. MCTF1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 204 amino acids (1-181 a.a.) and having a molecular mass of 22.9kDa. MCTF1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 95% as determined by SDS-PAGE.
<b>Content :</b>	MCTF1 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGS MFKKFDE KENVSNCIQL KTSVIKGIKN QLIEQFPGIE PWLNQIMPCK DPVKIVRCHE HIEILTVNGE LLFFRQREGP FYPTLRLLHK YPFILPHQQV DKGAIKFVLS GANIMCPGLT SPGAKLYPAA VDTIVAIMAE GKQHALCVGV MKMSAEDIEK VNKIGIGIENI HYLNDGLWHM KTYK.