

## Recombinant Human MCTS1, His-tagged

Cat. No. MCTS1-7551H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human MCTS1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-181aa
<b>Antigen Description</b>	Malignant T cell amplified sequence 1, also known as MCTS1, plays a role as translation enhancer; Recruits the density-regulated protein/DENR and binds to the cap complex of the 5'-terminus of mRNAs, subsequently altering the mRNA translation profile; Up-regulates protein levels of BCL2L2, TFDP1, MRE11A, CCND1 and E2F1, while mRNA levels remains constant.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
<b>Molecular Mass</b>	22.9 kDa (204aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMFKKFDE KENVSNCIQL KTSVIKGIKN QLIEQFPGIE PVLNQIMPCK DPVKIVRCHE HIEILTVNGE LLFFRQREGP FYPTLRLLHK YPFILPHQQV DKGAIKFVLS GANIMCPGLT SPGAKLYPAA VDTIVAIMAE GKQHALCVGV MKMSAEDIEK VNKGIGIENI HYLNDGLWHM KTYK

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<b>Purity</b>	>95% as determined by SDS - PAGE
<b>Applications</b>	SDS-PAGE
<b>Storage</b>	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	0.5 mg/ml

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MCTS1 malignant T cell amplified sequence 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	MCTS1
<b>Synonyms</b>	MCTS1; malignant T cell amplified sequence 1; malignant T-cell-amplified sequence 1; MCT 1; multiple copies T-cell malignancies; malignant T cell-amplified sequence 1; MCT1; MCT-1; FLJ39637;
<b>Gene ID</b>	<a href="#">28985</a>
<b>mRNA Refseq</b>	<a href="#">NM_001137554</a>
<b>Protein Refseq</b>	<a href="#">NP_001131026</a>
<b>MIM</b>	<a href="#">300587</a>
<b>UniProt ID</b>	<a href="#">Q9ULC4</a>
<b>Chromosome Location</b>	Xq24

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**Function**

RNA binding;

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