

Recombinant human MCTS1 protein

Catalog Number: ATGP1995

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-181aa

UniProt No.

Q9ULC4

NCBI Accession No.

NP_054779

Alternative Names

Malignant T cell amplified sequence 1, MCT-1, MCT1

PRODUCT SPECIFICATION

Molecular Weight

22.9 kDa (204aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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. Recombinant human MCTS1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

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

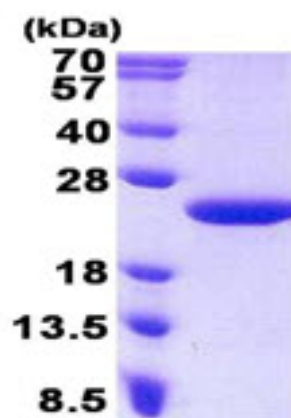
General References

Herbert G.B., et al. (2001) Oncogene. 20:6777-6783

Shi B., et al. (2003) Blood. 102:297-302

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)