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

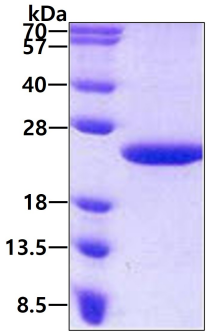
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General References

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.