

AR50819PU-N

Human MCTS1 (1-181, His-tag) - Purified

Alternate names:

MCT-1, MCT1, MCTS1, Malignant T cell amplified sequence 1

Quantity:

0.5 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q9ULC4](#)

NCBI:

[NP_054779](#)

GeneID:

[28985](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Description:

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

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMFKKFDE KENVSNICQL KTSVIKGIKN QLIEQFPGIE
PWLNQIMPKK DPVKIVRCHE HIEILTVNGE LLFFRQREGP FYPTLRLLHK YPFILPHQQV
DKGAIKFVLS GANIMCPGLT SPGAKLYPAA VDTIVAIMAE GKQHALCVGV MKMSAEDIEK
VNKGIGIENI HYLNDGLWHM KTYK

Molecular weight: 22.9 kDa (204aa) confirmed by MALDI-TOF

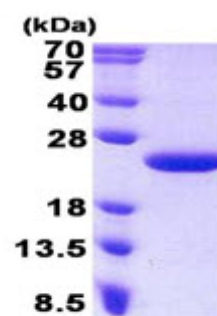
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Herbert G.B., et al. (2001) Oncogene. 20:6777-6783 Shi B., et al. (2003) Blood. 102:297-302

Pictures:



15% SDS-PAGE (3ug)