Product information

MRTO4, 1-239aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1741

Full name: mRNA turnover protein 4 homolog

NCBI Accession No.: NP_057267
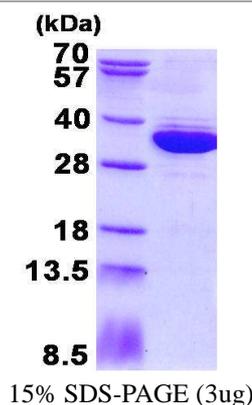
Synonyms: C1orf33, dJ657E11.4, MRT4

Description: mRNA turnover protein 4 homolog, also known as MRTO4, belongs to the ribosomal protein L10P family. MRTO4 is a nucleolar component of the ribosome assembly machinery that shares notable similarity and competes for binding to the 25S rRNA GAR domain with the ribosomal protein P0. The gene encoding MRTO4 maps to human chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Recombinant human MRTO4 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl,

20% glycerol,1mM DTT

Molecular Weight: 29.9 kDa (262aa) confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)

(kDa)
70
57
40
28
18
13.5
8.5

15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMPKSKRD KKVSLTKTAK KGLELKQNLI EELRKCVDTY KYLFIFSVAN MRNSKLKDIR NAWKHSRMFF GKNKVMMVAL GRSPSDEYKD NLHQVSKRLR GEVGLLFTNR TKEEVNEWFT KYTEMDYARA GNKAAFTVSL DPGPLEQFPH SMEPQLRQLG LPTALKRGVV TLLSDYEVCK EGDVLTPEQA RVLKLFGYEM AEFKVTIKYM WDSQSGRFQQ MGDDLPESAS ESTEESDSED DD

General references:

Michalec B*., et al.* (2010) *Int J Biochem Cell Biol.* 42(5):736-48

Weise A*., et al.* (2005) *Cytoqenet Genome Res.* 108: 217-222.

Storage: 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