

Recombinant human MRTO4 protein

Catalog Number: ATGP1741

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-239aa

UniProt No.

Q9UKD2

NCBI Accession No.

NP_057267

Alternative Names

mRNA turnover protein 4 homolog, C1orf33, dj657E11.4, MRT4

PRODUCT SPECIFICATION

Molecular Weight

29.9 kDa (262aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M 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

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.

Recombinant human MRT04 protein

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMPKSKRD KKVSLTKTAK KGLELKQNLI EELRKCVDY KYLFIFSVAN MRNSKLKDIR
NAWKHSRMFF GKNKVMVAL GRSPSDEYKD NLHQVSKRLR GEVGLLFTNR TKEEVNEWFT KYTEM DYARA GNKAAFTVSL
DPGPLEQFPH SMEPQLRQLG LPTALKRGVV TLLSDYEVCK EGDVLTPEQA RVLKLFYEM AEFKVTIKYM WDSQSGRFQQ
MGDDLPEAS ESTEESDSED DD

General References

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

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

DATA

SDS-PAGE

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

