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## **Recombinant human MRTO4 protein**

Catalog Number: ATGP1741

#### PRODUCT INFORMATION

#### **Expression system**

E.coli

#### **Domain**

1-239aa

#### **UniProt No.**

O9UKD2

#### **NCBI Accession No.**

NP 057267

#### **Alternative Names**

mRNA turnover protein 4 homolog, Clorf33, 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.



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#### **Amino acid Sequence**

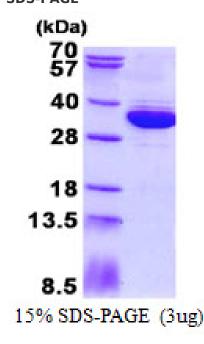
MGSSHHHHHH SSGLVPRGSH MGSMPKSKRD KKVSLTKTAK KGLELKQNLI EELRKCVDTY KYLFIFSVAN MRNSKLKDIR NAWKHSRMFF GKNKVMMVAL GRSPSDEYKD NLHQVSKRLR GEVGLLFTNR TKEEVNEWFT KYTEMDYARA GNKAAFTVSL DPGPLEQFPH SMEPQLRQLG LPTALKRGVV TLLSDYEVCK EGDVLTPEQA RVLKLFGYEM AEFKVTIKYM WDSQSGRFQQ MGDDLPESAS ESTEESDSED DD

#### **General References**

Michalec B., et al. (2010) Int J Biochem Cell Biol. 42(5):736-48 Weise A., et al. (2005) Cytogenet Genome Res. 108: 217-222.

### **DATA**

### **SDS-PAGE**



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

