

Recombinant Human mRNA Turnover 4 Homolog (S. cerevisiae), His-tagged

Cat. No. MRTO4-7173H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MRTO4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 29.9 kDa.
Species	Human
Source	E.coli
ProteinLength	1-239aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT.
Molecular Mass	29.9 kDa (262aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH GSMPKSKRD KKVSLTKTAK KGLELKQNLI EELRKCVDTY KYLFIFSVAN MRNSKLKDIR NAWKHSRMFF GKNKVMMVAL

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GRSPSDEYKD NLHQVSKRLR GEVGLLFTNR TKEEVNEWFT KYTEMDYARA
GNKAAFTVSL DPGPLEQFPH SMEPQLRQLG LPTALKRGVV TLLSDYEVCK
EGDVLTP EQA RVLKLFQYEM AEFKVTIKYM WDSQSGRFQQ MGDDLPEAS
ESTEESDSED DD

Purity >95% by SDS - PAGE

Applications SDS-PAGE

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.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [MRTO4 mRNA turnover 4 homolog \(S. cerevisiae\) \[Homo sapiens \]](#)

Official Symbol MRTO4

Synonyms MRTO4; mRNA turnover 4 homolog (S. cerevisiae); C1orf33, chromosome 1 open reading frame 33 , MRT4, mRNA turnover 4, homolog (S. cerevisiae); mRNA turnover protein 4 homolog; dJ657E11.4; MRT4; MRT4, mRNA turnover 4, homolog; 60S acidic ribosomal protein PO; C1orf33;

Gene ID [51154](#)

mRNA Refseq [NM_016183](#)

Protein Refseq [NP_057267](#)

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UniProt ID	Q9UKD2
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Chromosome Location	1p36.13
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