

Human MRTO4 / MRT4 Protein (His Tag)

Catalog Number: 14639-H07E



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Biological Solution Specialist

General Information

Gene Name Synonym:

C1orf33; dJ657E11.4; MRT4; 2610012O22Rik; Mg684; Mrt4

Protein Construction:

A DNA sequence encoding the human MRTO4 (Q9UKD2) (Met1-Asp239) was expressed with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: His

Molecular Mass:

The recombinant human MRTO4 consists of 254 amino acids and predicts a molecular mass of 29.4 KDa. It migrates as an approximately 32 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

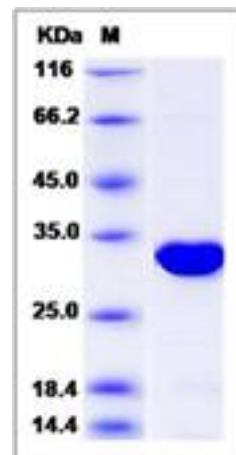
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

MRTO4, also known as MRT4, belongs to the ribosomal protein L10P family. MRTO4 is a ribosomal P0-like protein showing extensive sequence similarity to the ribosomal P0 protein. The precise function of MRTO4 is currently unknown. It appears to be involved in mRNA turnover and ribosome assembly. MRTO4 acts as a trans-acting factor which modulates the assembly of the pre-60S particle.

References

1. Zhao J. et al., 2011, J Proteomics. 75 (2): 588-602.
2. Havugimana PC. et al., 2012, Cell. 150 (5): 1068-81.
3. Wu Z. et al., 2012, PLoS One. 7 (8): e43997.