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Recombinant human EMG1 protein

Catalog Number: ATGP1617

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-244aa

UniProt No.

092979

NCBI Accession No.

NP 006322

Alternative Names

Ribosomal RNA small subunit methyltransferase NEP1, C2F, Grcc2f, NEP1

PRODUCT SPECIFICATION

Molecular Weight

29.1 kDa (267aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% 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

EMG1 nucleolar protein homolog, also known as EMG1, is a 244 amino acid protein that is thought to be involved in ribosome biogenesis. Localized to the nucleolus, EMG1 participates in pre-18S rRNA processing and may play an important role in the assembly of the small ribosomal subunit, possibly controlling methylation during ribosome synthesis. A mutation in this gene has been associated with Bowen-Conradi syndrome. Recombinant human EMG1 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

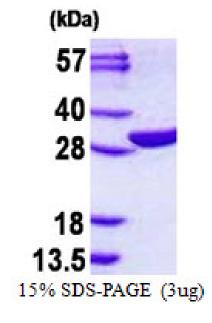
MGSSHHHHHH SSGLVPRGSH MGSMAAPSDG FKPRERSGGE QAQDWDALPP KRPRLGAGNK IGGRRLIVVL EGASLETVKV GKTYELLNCD KHKSILLKNG RDPGEARPDI THQSLLMLMD SPLNRAGLLQ VYIHTQKNVL IEVNPQTRIP RTFDRFCGLM VQLLHKLSVR AADGPQKLLK VIKNPVSDHF PVGCMKVGTS FSIPVVSDVR ELVPSSDPIV FVVGAFAHGK VSVEYTEKMV SISNYPLSAA LTCAKLTTAF EEVWGVI

General References

Buchhaupt M., et al. (2001) Mol Genet Genomics. 276: 273-284 Liu P C., et al. (2001) Mol Biol Cell. 12: 3644-3657.

DATA

SDS-PAGE



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

