

Recombinant human EMG1 protein

Catalog Number: ATGP1617

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-244aa

UniProt No.

Q92979

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

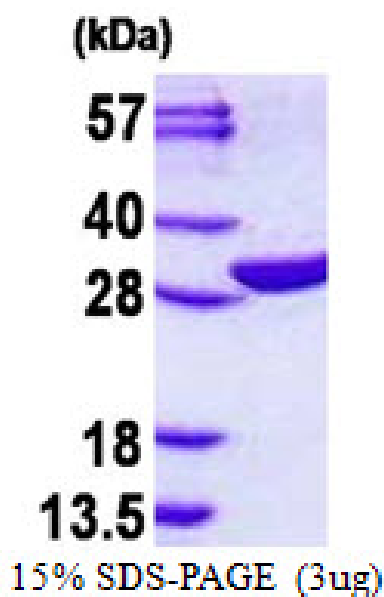
MGSSHHHHHH SSGLVPRGSH MGSMAAPSDG FKPRERSGGE QAQDWDALPP KRPRLGAGNK IGGRRLIVVL EGASLETVKV
GKTYELLNCD KHK SILLKNG RDPGEARPD I THQSLLMLMD SPLNRAGLLQ VYIHTQKNVL IEVNPQTRIP RTFDRFCGLM
VQLLHKLSVR AADGPQKLLK VIKNPVSDHF PVGCMKVGTS FSIPVVSDVR ELVPSSDPIV FVVGAFAHGK VSVEYTEK MV
SISNYPLSAA LTCAKLTTAF EEVWGV I

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.