

AR50441PU-N**Human EMG1 / C2F (1-244, His-tag) - Purified****Alternate names:**

18S rRNA (pseudouridine-N1-)-methyltransferase NEP1, 18S rRNA Psi1248 methyltransferase, NEP1, Nucleolar protein EMG1 homolog, Ribosomal RNA small subunit methyltransferase NEP1, Ribosome biogenesis protein NEP1

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q92979](#)

NCBI:

[NP_006322](#)

GeneID:

[10436](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

Description:

Recombinant human EMG1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMAAPSDG FKPRERSGGE QAQDWDALPP KRPRLGAGNK
IGRRRLIVVL EGASLETVKV GKTYELLNCD KHKSILLKNG RDPGEARPDI THQSLMLMD
SPLNRAGLLQ VYIHTQKNVL IEVNPQTRIP RTFDRFCGLM VQLLHKLSVR AADGPQKLLK
VIKNPVSDFH PVGCMKVGTS FSIPVVSVDVR ELVPSSDPIV FVVGAFAHGK VSVEYTEKRV
SISNYPLSAA LTCAKLTTF EEVWGVV

Molecular weight: 29.1 kDa (267aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:

