

## EMG1 Human

**Description:**EMG1 Human Recombinant produced in E. coli is a single polypeptide chain containing 267 amino acids (1-244) and having a molecular mass of 29.1kDa.EMG1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-1129

**Synonyms:**EMG1 nucleolar protein homolog (S. cerevisiae), 18S rRNA Psi1248 methyltransferase, 18S rRNA (pseudouridine-N1-)-methyltransferase NEP1, Ribosome biogenesis protein NEP1, essential for mitotic growth 1, ribosomal RNA small subunit methyltransferase NEP1,

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**Source:**E.coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSMAAPSDG FKPRERSGGE  
QAQDWDALPP KRPRLGAGNK IGRRLIVVL EGASLETVKV GKTYELLNCD KHKSILLKNG  
RDPGEARPD1 THQSLMLMD SPLNRAGLLQ VYIHTQKNVL IEVNPQTRIP RTFDRFCGLM  
VQLLHKLSVR AADGPQKLLK VIKNPVSDHF PVGCMKVGTS FSIPVVSDVR ELVPSSDPIV  
FVVGAFAHGK VS

**Purity:**Greater than 95% as determined by SDS-PAGE.

### Formulation:

The EMG1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol.

### Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

EMG1 is a 244 aa protein which has a role in ribosome biogenesis. EMG1 is a key protein in the small ribosomal subunit assembly, controls methylation during ribosome synthesis and takes part in pre-18S rRNA processing. EMG1 is localized to the nucleolus and a mutation in this gene is linked with Bowen-Conradi syndrome.

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