

## 32-3749: EMG1 Recombinant Protein

**Alternative Name :** 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 N

### Description

Source : E.coli. 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. 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.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95% as determined by SDS-PAGE.  
**Content :** The EMG1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 20% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MGSMAPSDG FKPRERSGGE QAQDWDALPP KRPRLGAGNK IGGRRLLIVL EGASLETVKV GKTYELLNCD KHKSILLKNG RDPGEARPD THQSLLMLMD SPLNRAGLLQ VYIHTQKNVL IEVNPQTRIP RTFDRFCGLM VQLLHKLSVR AADGPQKLLK VIKNPVSDHF PVGCMKVGTS FSIPVVDVR ELVPSSDPV FVVGAFAGHK VSVEYTEKMOV SISNYPLSAA LTCAKLTAF EEVWGV

