9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

EMG1 Human

EMG1 Nucleolar Protein Human Recombinant
RCP0756

Product Overview

Name	EMG1 Human
Description	
EMG1 Nucleolar Protein Human Recombinant	
Accession (Primary)	Q92979
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, Protein C2f, BWCNS, Grcc2f, NEP1, EC 2.1.1.-.	
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.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
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.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MAAPSDG FKPRERSGGE QAQDWDALPP KRPRLGAGNK IGGRRLIVVL EGASLETVKV GKTYELLNCD KHKSILLKNG RDPGEARPDI THQSLLMLMD SPLNRAGLLQ VYIHTQKNVL IEVNPQTRIP RTFDRFCGLM VQLLHKLSVR AADGPQKLLK VIKNPVSDHF PVGCMKVGTS FSIPVVSDVR ELVPSSDPIV FVVGAFAHGK VSVEYTEKMV SISNYPLSAA LTCAKLTTAF EEVWGVI	

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Precautions

EMG1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q92979)