

EMG1, 1-244aa, Human, His tag, E.coli

Cat.NO.: TP02014

3th Edition

Synonyms:Ribosomal RNA small subunit methyltransferase NEP1, C2F, Grcc2f, NEP1.

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.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMAPSDGFKPRERSGGGEQAQDWDALPPKRPRLGAGNKIGGRRLIVVLEGA
SLETVKVGKTYELLNCDKHKSILLKNGRDPGEARPDITHQSLMLMDSPLNRAGLLQVYIHTQKNVLIENVNPQTRIPR
TFDRFCGLMVQLLHKLSVRAADGPQKLLKVIKNPVSDHFPVGCМКVGTСFSIPVVSDVRELVPSDDPIVFVVGAFAH
GKVSVEYTEKMVSISNYPLSAALTCAKLTTAFEEVWGVI

Purity:> 95% by HPLC

Concentration:1 mg/ml

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.