

Recombinant Human EMG1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EMG1-2331H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EMG1 MS Standard C13 and N15-labeled recombinant protein (NP_006322) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an essential, conserved eukaryotic protein that methylates pseudouridine in 18S rRNA. The related protein in yeast is a component of the small subunit processome and is essential for biogenesis of the ribosomal 40S subunit. A mutation in this gene has been associated with Bowen-Conradi syndrome. Alternative splicing results in multiple transcript variants.
Molecular Mass	26.7 kDa
AA Sequence	MAAPSDGFKPRERSGGEQAQDWDALPPKRPRLGAGNKIGGRRLIVLEGASLETVK VGKTYELLNCDKHKHSILLKNGRDPGEARPDITHQSLMLMDSPLNRAGLLQVYIHTQ KNVLIEVNPQTRIPRTFDRFCGLMVQLLHKLSVRAADGPQKLLKVIKNPVSDHFPVG CMKVGTSFSIPVVSVDVRELVPSSDPVVFVGAFAGKVSVEYTEKMVSISNYPLSAAL TCAKLTTAFEEVWGVITRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [EMG1](#) [EMG1 N1-specific pseudouridine methyltransferase \[Homo sapiens \(human\) \]](#)

Official Symbol [EMG1](#)

Synonyms EMG1; EMG1 nucleolar protein homolog (S. cerevisiae); ribosomal RNA small subunit methyltransferase NEP1; C2F; Grcc2f; NEP1; essential for mitotic growth 1; ribosome biogenesis protein NEP1; 18S rRNA Psi1248 methyltransferase; 18S rRNA (pseudouridine-N1-)-methyltransferase NEP1; FLJ60792;

Gene ID [10436](#)

mRNA Refseq [NM_006331](#)

Protein Refseq [NP_006322](#)

MIM [611531](#)

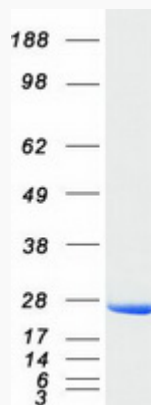
UniProt ID [Q92979](#)

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SDS-PAGE



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