

# Recombinant Full Length Human EMG1 Protein, GST-tagged

**Cat. No.** EMG1-4242HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Human EMG1 full-length ORF (BAF84286.1, 1 a.a. - 244 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 244 amino acids                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | 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. [provided by RefSeq, Feb 2016] |
| <b>Molecular Mass</b>   | 53.24 kDa                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MAAPSDGFKPRERSGGEQAQDWDALPPKRPRLGAGNKIGGRRRLIVLEGASLETVK<br>VGKTYELLNCDKHKSILLKNGRDPGEARPDITHQSLLMLMDSPLNRAGLLQVYIHTQ<br>KNVLIEVNPQTRIPRTFDRFCGLMVQLLHKLSVRAADGPQKLLKVIKNPVSDHFPVG<br>CMKVGTSFSIPVSDVRELVPSSDPVVFVGAFAHGKVSVEYTEKMVSISNYPLSAAL<br>TCAKLTTAFEEAWGVI                                                                                                                                                      |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)                                                                                                                                                                                                                                                                                                                                               |

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Antibody Production<br>Protein Array                                                                                                                                                                                                                                                              |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                          |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                          |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                   |
| <b>Gene Name</b>        | EMG1 EMG1 nucleolar protein homolog (S. cerevisiae) [ Homo sapiens ]                                                                                                                                                                                                                              |
| <b>Official Symbol</b>  | EMG1                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 10436                                                                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>      | NM_006331                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>   | NP_006322                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>              | 611531                                                                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>       | Q92979                                                                                                                                                                                                                                                                                            |

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