

EMG1 recombinant protein

EMG1, 1-244aa, Human, His tag, E Coli

CATALOG # AAA48781	HOST E Coli	APPLICATIONS SDS-Page
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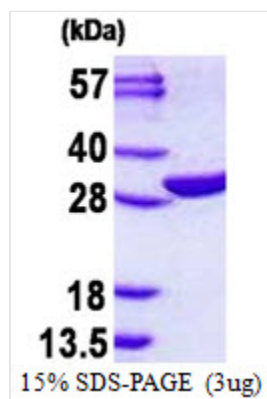
PRODUCT SYNONYMS

EMG1; 1-244aa; Human; His tag; E Coli; Ribosomal RNA small subunit methyltransferase NEP1; C2F; Grcc2f; NEP1; EMG1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAAPSDG FKPRERSGGE QAQDWDALPP KRPRLGAGNK IGGRRLIVVL EGASLETVKV GKTYELLNCD KHK SILLKNG RDPGEARPD I THQSLLMLMD SPLNRAGLLQ VYIHTQKNVL IEVNPQTRIP RTFDRFCGLM VQLLHKLSVR AADGPQKLLK VIKNPVSDHF PVGCMKVGTS FSIPVVS DVR ELVPSSDPIV FVVGAFAHGK VSVEYTEK MV SISNYPLSAA LTC AKLT TAF EEVWGVI
Sequence Length	244
Applicable Applications for EMG1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for EMG1 recombinant protein	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. Recombinant human EMG1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for EMG1 recombinant protein	Epigenomics
References	Buchhaupt M., et al. (2001) Mol Genet Genomics. 276: 273-284; Liu P C., et al. (2001) Mol Biol Cell. 12: 3644-3657.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194328699
NCBI GeneID	10436
NCBI Accession #	NP_006322
NCBI GenBank Nucleotide #	NM_006331.7
UniProt Accession #	Q92979; O00675; O00726
Molecular Weight	29.1 kDa (267aa), confirmed by MALDI-TOF
NCBI Official Full Name	ribosomal RNA small subunit methyltransferase NEP1 isoform 1
NCBI Official Synonym Full Names	EMG1, N1-specific pseudouridine methyltransferase
NCBI Official Symbol	EMG1
NCBI Official Synonym Symbols	C2F; NEP1; Grcc2f
NCBI Protein Information	ribosomal RNA small subunit methyltransferase NEP1
UniProt Protein Name	Ribosomal RNA small subunit methyltransferase NEP1
UniProt Gene Name	EMG1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/emg1-recombinant-protein-e-coli-sds-page/48781>