

Recombinant Human EMG1 293 Cell Lysate

Cat. No. EMG1-6611HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for EMG1 nucleolar protein homolog (<i>S. cerevisiae</i>) (EMG1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

EMG1 EMG1 nucleolar protein homolog (*S. cerevisiae*) [*Homo sapiens*]

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

Chromosome Location

12p13

Pathway

Ribosome biogenesis in eukaryotes, organism-specific biosystem; Ribosome biogenesis in eukaryotes, conserved biosystem;

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Function

RNA binding; methyltransferase activity; rRNA (pseudouridine) methyltransferase activity; rRNA binding; transferase activity;

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