

Recombinant Human CPEB1 293 Cell Lysate

Cat. No. CPEB1-7316HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for cytoplasmic polyadenylation element binding protein 1 (CPEB1), transcript variant 4 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

CPEB1 cytoplasmic polyadenylation element binding protein 1 [Homo sapiens]

Official Symbol

CPEB1

Synonyms

CPEB1; cytoplasmic polyadenylation element binding protein 1; cytoplasmic polyadenylation element-binding protein 1; CPEB; FLJ13203; h-CEBP; hCPEB-1; CPE-binding protein 1; CEBP; CPE-BP1; MGC34136; MGC60106;

Gene ID

64506

mRNA Refseq

NM_001079534

Protein Refseq

NP_001073002

MIM

607342

UniProt ID

Q9BZB8

**Chromosome
Location**

15q25.1

Pathway

Aurora A signaling, organism-specific biosystem; Dorso-ventral axis formation, organism-specific biosystem; Dorso-ventral axis formation, conserved biosystem; Oocyte meiosis, organism-specific biosystem; Oocyte meiosis, conserved biosystem; Progesterone-mediated oocyte maturation, organism-specific biosystem;

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Progesterone-mediated oocyte maturation, conserved biosystem;

Function

RNA binding; nucleotide binding;

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