

Recombinant Human CPEB1, GST-tagged

Cat. No. CPEB1-11516H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CPEB1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-300a.a.
Description	This gene encodes a member of the cytoplasmic polyadenylation element (CPE) binding protein family. This highly conserved protein binds to a specific RNA sequence called the CPE found in the 3' UTR of some mRNAs. Similar proteins in <i>Xenopus</i> and mouse function to induce cytoplasmic polyadenylation of dormant mRNAs with short polyA tails, resulting in their translation. Members of this protein family regulate translation of cyclin B1 during embryonic cell divisions. Multiple transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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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_001079533
Protein Refseq	NP_001073001
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; Progesterone-mediated oocyte maturation, conserved biosystem;
Function	RNA binding; nucleotide binding;

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