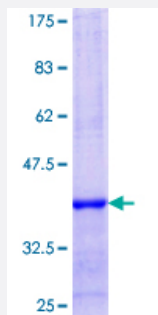


CPEB1 (Human) Recombinant Protein (Q01)

Catalog # H00064506-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CPEB1 partial ORF (NP_085097.2, 468 a.a. - 566 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KYPIGSGRVTFNNQRSYLKAVSAAFVEIKTTKFTKKVQIDPYLEDLCHICSSQPGPFFCRDQVCF KYFCRSCWHWRHSMEGLRHHSPLMRNQKNRDSS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CPEB1

Entrez GeneID [64506](#)

GeneBank Accession# [NM_030594](#)

Protein Accession# [NP_085097.2](#)

Gene Name CPEB1

Gene Alias CEBP, CPE-BP1, CPEB, FLJ13203, MGC34136, MGC60106

Gene Description cytoplasmic polyadenylation element binding protein 1

Omim ID [607342](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 *Xenopus* 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. [provided by RefSeq]

Other Designations CPE-binding protein 1

Pathway

- [Dorso-ventral axis formation](#)

Disease

- [Genetic Predisposition to Disease](#)