

**CPEB1,1-561aa, Human, His tag, E.coli**

**Cat.NO.: TP01698**

3th Edition

**Synonyms:**Cytoplasmic polyadenylation element binding protein 1, CEBP, CPE-BP1, CPEB

**Description:**CPEB1 is 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. Recombinant human CPEB1 protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**Molecular Weight:**64.5 kDa (584aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMAPLEEEAGRIKDCWDNQEAPALSTCSNANIFRRINAILDNSLDFSRVCTTP  
INRGIHDHLPDFQDSEETVTSRMLFPTSAQESSRGLPDANDLCLGLQSLSLTGWDRPWSTQDSQSSAQSSSTHSVL  
SMLHNPLGNVLGKPPLSFLPLDPLGSDLVDKFPAPSVRGSRLDTRPILDSRSSSPSDSDTSGFSSGSDHLSDLISL  
RISPPLPFLSLSGGGPRDPLKMGVGSRMDQEAALAAVTPSPTSASKRWPGASVWPSWDLLEAPKDPFSIEREAR  
LHRQAAAVNEATCTWSGQLPPRNYKNPIYSCKVFLGGVPWDITEAGLVNTFRVFGSLSEVWPGKDGKHPRCPPK  
GYVYLVFELEKSVRSLLQACSHDPLSPDGLSEYYFKMSSRRMRCKEVQVIPWVLADSNFVRSPSQRLDPSRTVFV  
GALHGMLNAEALAILNDLFGGVVYAGIDTDKHKYPIGSGRVTFNNQRSYLKAVSAAFVEIKTTKFTKKVQIDPYLED  
SLCHICSSQPGPFPCRQVCFKYFCRSCWHWRHSMEGLRHHSPLMRNQKNRDSS

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.