

## 32-3585: CPEB1 Recombinant Protein

**Alternative Name :** Cytoplasmic Polyadenylation Element Binding Protein 1,CPE-Binding Protein 1,CPE-BP1,HCPEB-1,CPEB,Cytoplasmic Polyadenylation Element-Binding Protein 1,CPEB-1,H-CEBP,CEBP,CPEB1.

### Description

Source : Escherichia Coli. CPEB1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 584 amino acids (1-561) and having a molecular mass of 64.5 kDa.CPEB1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Cytoplasmic Polyadenylation Element Binding Protein 1 (CPEB1) belongs to the cytoplasmic polyadenylation element (CPE) binding protein family, whose members regulate translation of cyclin B1 during embryonic cell divisions. The CPEB1 is a highly conserved protein which binds to a specific RNA sequence called the CPE found in the 3' UTR of some mRNAs. Analogous proteins in Xenopus and mouse function to stimulate cytoplasmic polyadenylation of dormant mRNAs with short polyA tails, resulting in their translation.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 85.0% as determined by SDS-PAGE.  
**Content :** The CPEB1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMAFPLEE EAGRIKDCWD NQEAPALSTC SNANIFRRIN AILDNSLDFS RVCTTPINRG IHDHLPDFQD SEETVTSRML FPTSAQESSR GLPDANDLCL GLQSLSLTGW DRPWSTQDSD SSAQSSTHSV LSMLHNPLGN VLGKPLSFL PLDPLGSDLV DKFPAPSVRG SRLDTRPILD SRSSPSDSD TSGFSSGSDH LSDLISSLRI SPPLPFLSLS GGGPRDPLKM GVGSRMDQEQ AALAAVTPSP TSASKRWPGA SVWPSWDLLE APKDPFSIER EARLHRQAAA VNEATCTWSG QLPPRNYKNP IYCKVFLGG VPWDITEAGL VNTFRVFGSL SVEWPGKDGK HPRCPPKGYV YLVFELEKSV RSLQACSHD PLSPDGLSEY YFKMSSRRMR CKEVQVIPWV LADSNFVRSP SQRLDPSRTV FVGALHGMLN AEALAILND LFGGVVYAGI DTDKHKYPIG SGRVTFNNQR SYLKAVSAAF VEIKTKFTK KVQIDPYLED SLCHICSSQP GPFFCRDQVC FKYFCRSCWH WRHSMEGLRH HSPLMRNQKN RDSS.

