



# Recombinant Human Cytoplasmic polyadenylation element-binding protein 1 (CPEB1)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>      | CSB-BP861184HU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Abbreviation</b>      | CPEB1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Uniprot No.</b>       | Q9BZB8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen Species</b> | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Sequence</b>          | MALSLEEEAG RIKDCWDNQE APALSTCSNA NIFRRINAIL DNSLDFSRVC<br>TTPINRGIHD HLPDFQDSEE TVTSRMLFPT SAQESSRGLP DANDLCLGLQ<br>SLSLTGWDRP WSTQSDSSA QSSTHSVLSM LHNPLGNVLG KPPLSFLPLD<br>PLGSDLVDKF PAPSVRGSRL DTRPILDSRS SSPSDSDTSG FSSGSDHLSD<br>LISSLRISPP LPFLSLSGGG PRDPLKMGVG SRMDQEQAAL AAVTPSPTSA<br>SKRWPGASVW PSWDLLEAPK DPFSIEREAR LHRQAAVNE ATCTWSGQLP<br>PRNYKNPIYS CKVFLGGVPW DITEAGLVNT FRVFGSLSVE WPGKDGKHPR<br>CPPKGNMPKG YVYLVFELEK SVRSLLQACS HDPLSPDGLS EYYFKMSSRR<br>MRCKEVQVIP WVLADSNFVR SPSQRLDPSR TVFVGALHGM LNAEALAAIL<br>NDLFGGVVYA GIDTDKHKYP IGSGRVTENN QRSYLKAVSA AFVEIKTTKF<br>TKKVQIDPYL EDSLCHICSS QPGPFFCRDQ VCFKYFCRSC WHWRHSM EGL<br>RHHSPLMRNQ KNRDSS |
| <b>Source</b>            | Baculovirus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Target Names</b>      | CPEB1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Names</b>     | Recommended name: Cytoplasmic polyadenylation element-binding protein 1<br>Short name= CPE-BP1 Short name= CPE-binding protein 1 Short name= h-CEBP Short name= hCPEB-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Expression Region</b> | 1-566                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Length</b>    | full length protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Target Details</b>    | 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.

---

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

---

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.