

## Product datasheet for SC335415

### CPEB1 (NM\_001288820) Human Untagged Clone

#### Product data:

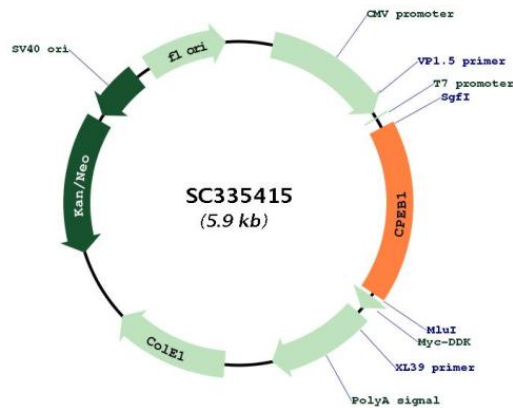
Product Type:	Expression Plasmids
Product Name:	CPEB1 (NM_001288820) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPEB1
Synonyms:	CPE-BP1; CPEB; CPEB-1; h-CPEB; hCPEB-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335415 representing NM_001288820. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGGTAGGGTCTCGGATGGACCAAGAGCAAGCTGCTCTTGCTGCAGTCACTCCCTCCCCAACCAAGT
GCTTCAAAGAGATGGCCAGGAGCTTCTGTGTGGCCATCCTGGGACCTCCTCGAAGCTCCCAAAGACCCC
TTCAGCATAGAGAGAGAGAGGCCAGGCTGCACCGACAAGCTGCAGCTGTGAATGAAGCCACCTGTACCTGG
AGTGGCCAGCTTCTCCCGGAAGTATAAGAACCCCATCTACTCTTGCAAGGTGTTTCTAGGAGGTGTT
CCTTGGGATATTACAGAAGCTGGATTAGTTAACACCTTCCGTGTTTTGGCTCTTTGAGTGTGGAGTGG
CCTGGTAAGGATGGCAAGCATCCCGGTGTCTCCCAAAGGGTATGTGTATCTGGTCTTCGAAGTACAG
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TATTTCAAGATGTCCAGCCGAAGGATGCGCTGCAAGGAGGTGCAGGTGATCCCCTGGGTATTAGCCGAC
AGTAACTTTGTCCGGAGCCCATCTCAGAGGCTTGACCCAGCAGGACGGTGTGTTGTCCGGTCTGTCAT
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ATTGACACAGATAAGCACAAGTATCCCATTGGTTCTGGTGTGACTTTCAATAACCAACGGAGTTAC
CTGAAAGCAGTCAGCGCTGCTTTTGTGGAGATCAAACCACCAAGTTCACAAAGAAGGTTTCAGATTGAC
CCCTACCTAGAAGATTCTCTGTGCATATCTGCAGTCTCAGCCTGGTCCCTTTCTTGTGCGAGATCAG
GTCTGTCAAATACTTCTGCCGAGCTGCTGGCACTGGCGGCACAGCATGGAGGGCCTGCCACCAC
AGCCCCCTGATGCGGAACCAAGAAGACCGAGATTCCAGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001288820

**Insert Size:** 1008 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001288820.1](#)

**RefSeq Size:** 2868 bp

**RefSeq ORF:** 1008 bp

**Locus ID:** 64506

**Cytogenetics:** 15q25.2

**Protein Pathways:** Dorso-ventral axis formation, Oocyte meiosis, Progesterone-mediated oocyte maturation

**MW:** 37.7 kDa

**Gene Summary:** This gene encodes a member of the cytoplasmic polyadenylation element binding protein family. This highly conserved protein binds to a specific RNA sequence, called the cytoplasmic polyadenylation element, found in the 3' untranslated region of some mRNAs. The encoded protein functions in both the cytoplasm and the nucleus. It is involved in the regulation of mRNA translation, as well as processing of the 3' untranslated region, and may play a role in cell proliferation and tumorigenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Transcript Variant: This variant (6) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The encoded isoform (4) has a shorter N-terminus, compared to isoform 1.