

Product datasheet for RC237521

CPEB1 (NM_001288820) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPEB1 (NM_001288820) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CPEB1
Synonyms:	CPE-BP1; CPEB; CPEB-1; h-CPEB; hCPEB-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237521 representing NM_001288820 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGTAGGGTCTCGGATGGACCAAGAGCAAGCTGCTCTTGCTGCAGTCACTCCCTCCCAACCAGTG
CTTCAAAGAGATGGCCAGGAGCTTCTGTGTGGCCATCCTGGGACCTCCTCGAAGCTCCAAAGACCCCTT
CAGCATAGAGAGAGAGGCCAGGCTGCACCGACAAGCTGCAGCTGTGAATGAAGCCACCTGTACCTGGAGT
GGCCAGCTTCTCCCGGAACTATAAGAACCCATCTACTCTTGAAGGTGTTTCTAGGAGGTGTTCCCTT
GGGATATTACAGAAGCTGGATTAGTTAACACCTCCCGTGTGTTTGGCTCTTTGAGTGTGGAGTGGCCTGG
TAAGGATGGCAAGCATCCCCGGTCTCCTCCAAAGGGTATGTGTATCTGGTCTTCGAACTAGAGAAGTCT
GTCCGATCCTTGCTTCAGGCTTGCTCTCATGACCCGCTGAGCCAGATGGCCTGAGTGAATATTATTCA
AGATGTCCAGCCGAAGGATGCGCTGCAAGGAGGTGAGGTGATCCCCTGGGTATTAGCCGACAGTAACTT
TGTCCGGAGCCCATCTCAGAGGCTTGACCCAGCAGGACGGTGTGTCGGTCTGCTGCATGGAATGCTA
AATGCTGAGGCCCTGGCAGCCATCTTGAACGACCTATTTGGTGGAGTGGTGTATGCCGGGATTGACACAG
ATAAGCACAAGTATCCCATTGGTTCTGGTCTGACTTCAATAACCAACGGAGTTACCTGAAAGCAGT
CAGCGCTGCTTTTGTGGAGATCAAACCAAGTTACAAAGAAGGTTACAGATTGACCCCTACCTAGAA
GATTCTCTGTGCATATCTGCAGTTCTCAGCCTGGTCTTTCTTCTGTGAGATCAGGTCTGCTCAAAT
ACTTCTGCCGGAGCTGCTGGCACTGGCGGCACAGCATGGAGGGCCTGCGCCACCACAGCCCTGATGCG
GAACCAGAAGAACCGAGATTCCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237521 representing NM_001288820
 Red=Cloning site Green=Tags(s)

MGVGSRMDEQAALAAVTPSPTSASKRWPGASVWPSWDLLEAPKDPFSIEREARLHRQAAVNEATCTWS
 GQLPPRNYKNPIYSCVKVFLGGVPWDITEAGLVNTRFRVFGSLSVEWPGKDGKHPRCPPKGYVYLVFELEKS
 VRSLAQACSHDPLSPDGLSEYFFKMSRRMRCKEVQVIPWVLADSNFVRSFSQRLDPSRTVVFVGLHGML
 NAEALAAAILNDLFGGVVYAGIDTDKHKYPIGSGRVTFNNQRSYLKAVSAAFVEIKTKFKTKVQIDPYLE
 DSLCHICSSQPGPFFCRDQVCFKYFCRSCWHRHSMEGLRHHSPLMRNQKNRDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

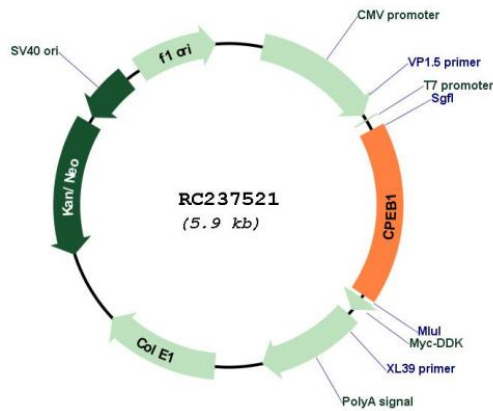
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001288820

ORF Size: 1005 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001288820.2
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:	38.2 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]