

Product datasheet for MR225994

Cpeb2 (NM_001177379) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cpeb2 (NM_001177379) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cpeb2
Synonyms: A630055H10Rik; Cpe-bp2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR225994 representing NM_001177379
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGCGGGACTTCGGGTTTCGGGGTCTGCACACTGCCCTGCTGCGCAGCGGCAGCCACGATCCTCGCCCG
 GCGGCAGCGCCTACCGCCCTTCGCCGCCGGGGCCGCCCGCACGCCCTTCGGCCCGCTGTCGCCGCCCGC
 GTTGCTGTACCGGCTTCTCCGAGGCCCTCCCTTCGCCATCCCTCGGGCGCGGGCGGCCAGC
 TCAGCCGAGCTTCTCTTCTCCCGCTCGTGGCGCATCCCAGGCCGTGCAGGATGAGCTACTGCTCG
 GGCTGACACAGCAGCCGACGAGGCCGCTCTCGGGGGCGGGCCGAGAGCAGCTCCCCAGCCACCACC
 CGCGGGCGGCACGAACCGGGGTGTACCCACCTCCTCCCTCCCAGGACTTCAAACCGAGTCTGCACCAC
 CCTCCTCCTCCTCCGCCTCCTCCTGCTGCTGCTGCCGACCTCCTCCCCGAGGACTTCAGTAAGCGGC
 AGCAGCAGCAGCTGAGCAGCCAGAAGAGAAAGAGTTGAGCCCGCACACCGTCCCCACCCTCCGGACGC
 GAAGCCGCGCGCCGCCGCCCGCTCCACTGCCCGGGCCGCTTCAGCCAAACACCGCCAAACGCCGCCA
 CCACCGCCCGGGCCGCTCCTGCAGTCGGCGCCGCTCGCCAGCGCTTCAGCCGTTACGCTCCCGCACA
 CGCAGCACCTCCCGCCGAGGACTTCGCCAGCGGCAGCGCCGGTGCACCTGCCCGAGTCCCGCAGCT
 CCCGCCCTCGCCGCCCGCAGCTCCGCGGGCGGCCACGGAGGCGCGGGAAGCCCTCGCCAGACCCCGGCC
 GCGGGCGAGGGCAGCGCCGCCGAGCCCCCAATGCGGGTTGCCCCCTCGACGCCCGGTTGAACCCCG
 CGCCGGGCTCCATGGAGTCGCCAACCAACCCTCTGCTCAACAGCCCGAGCACCTCCTGCCCGCGCGGC
 GCTCGGCACCAGCGCTTCAGCAGCCTGCAGAGCCCGACCTGCCGACCCCGGGCGGGCGGGGGCGGG
 GGACCCCGGAGGGGGAGGCGGCTCCGCGTCTCCCCACCGCTGCCCGGCTTCGGCACCCCTGGTCGG
 TGCAGACCGGCTCGCCGCCGCCGCCAGCCTCCGCCGGCAGCCAGCAGCAGCCACCCAGCAGCCGCA
 GCCGCCAGCAGCCGCCCAACACAGCCCCGGGCTCCTCGGCTGCCACCCCGGGCAGCGGGCGGGCGG
 GCGGGCGGCTCTGTAGCGCCATGCCGCCGCCAGCCCGACTCGGAGAACGGCTTCTACCCGGGCTGC
 CATCGTCCATGAACCCGGCTTCTCCCGAGCTTCTCGCCGGTGTGCCCGCAGGCTGCGCGGGGCTCAG
 CGTGCCGCGCGGGTGGCGGGCGGGCGGGCTTCGGCGGCCGTTCTGCTCCACGGTCCCGCG



[View online »](#)

CCGCCCGCCATGAATTTACCTCAACAGCAGCCGCCGGCGGGCGCCGCAGCAGCCGAGAGCCGGAGGT
 CACCCGTCAGCCCGCAGCTGCAGCAGCAGCACCAGGCTGCCGAGCCGCCTTCTGCAGCAGAGAACTC
 GTACAACCACCACCAGCCTCTTCTGAAACAGTCTCCTTGGAGCAACCATCAGAACAGCGGTTGGGGCACT
 GCGAGCATGTCTGGGGAGCAATGCACGGCAGAGATCACCGCAGGAGCGGCAACATGGGGATCCCAGGGA
 CTATGAATCAGATATCTCCGTGAAGAAGCCGTTCTCGGGTAATGTTATAGCACCACCGAAATTCAGTCG
 CTCTACTCCATCACTGACTCCAAAATCTGGATTGAAGATAATGTGTTCCAGGACAGACAACAATAGTAAC
 ACACCTTACCCTTACAGGATCGAAGTAGAATGTATGATAGCTTGAATATGCACCTCTCTGGAAAATTCCT
 TTATTGATATCATGAGAGCAGAGCACGATCCTCTCAAGGGTCGTCTGAGCTATCCACATCCAGGAACCGA
 CAATCTGTAAATGTTAAATGCAAGGAGTTATGGGCGAAGACGAGGTCGCTCTTCCCTATTTCCAATAGAT
 GATAGCTTGTGGATGATGGTCACAGTATCAAGTTGGTGTAAAAATTCACCAACATGTTATTCAGCTC
 ATCAAAATGGAGAACGAATTGAACGCTTCTCTGAAAAGTTTTTGTGGTGGGCTTCTCCGGATATTGA
 TGAAGATGAGATCACTGCCAGCTTCCGAAGATTTGGACCTTTGGTAGTAGATTGGCCCCACAAAGCAGAA
 AGTAAATCCTATTTCCACAAAAGGCTATGCATTCTCTCTTTCAAGAAGAGAGCTCAGTCCAGGCAC
 TCATTGACGCTTGCAATTGAAGAAGATGGAAGCTACTTGTGTGTTCCAGCCCTACTATCAAAGACAA
 ACCTGTTCAAATCCGTCCTTGAATTTAAGTGATAGTGATTTTCGTATGGATGGTCTCAGCCTTTGGAT
 CCCCAGAAAACAATTTTGTGGAGGTGTTCTAGGCCACTAAGGGCTGTGGAACCTGCTATGATCATGG
 ACCGGCTGTATGGTGGTGTGTGTACGCAGGAATTGATACAGATCCAGAACTCAAATACCCAAAAGGTGC
 TGGGCGAGTCGCTTTCTCCAATCAGCAGAGCTACATTGCTGCCATCAGTCTCGATTTGTTGAGCTTCAG
 CACGGTGACATTGATAAACGTGTGGAGGTGAAGCCATATGTGCTAGATGACCAGATGTGTGACGAGTGCC
 AGGGTGACGCTGTGGTGGGAAATTTGCCCCCTTTTCTGTGCCAATGTCACCTGCCTGCAGTATTACTG
 TGAGTTTTGTTGGGCAAATCCACTCTCGTGCAGGACGCGAGTTCATAAGCCATTGGTGAAGGAAGGT
 GCTGATCGCCACGTCAGATCCACTTCCGCTGGAAC

ACGCGTACGCGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225994 representing NM_001177379
 Red=Cloning site Green=Tags(s)

MRDFGVLHTALLRSGSPRSSPGGSAYRPFPAAGPPATPFGPLSPPPLPVTGFSEAAAPFAIPSGGGAAS
 SAAASSSPLVAHPQAVQDELLGLTQQPTRPLSGAAAAEQLPSHHPGGTNAGVTHLLPSQDFKPSLHH
 PSSSSASSCCCRSSPQDFSKRQQQLSSQKRKELSPPHRPHPPDAKPPPPPLHCPGRFSPTPTTP
 PPPGILLQSAPLAQRSQPFSLPHTQHLPPQDFAQRQRPVDLPQLPQLPPSPPAAPRRRHGGAGSPRQTPA
 AGEESAAEPPNAGLPPSTPPVNPAPGSMESPNHPLLNSPSTLLPGAALGTSAFSSLQSPDLPHPGGGGGG
 GPPGGGGGSAPPPLPGFGTPWSVQTASPPPPQPPATQQQPQQPQQPPQPPQPPGSSAATPGSGGG
 AGGSLSAMPPSPDSENGFYPLPSSMNPAFFPSPVSPHGCAGLSVPAGGGGGGGGGGPFSAPTVPA
 PPAMNLPQQPPAAPQPPQRRSPVSPQLQQHQAAAAAFLQQRNSYNHHQPLLKQSPWSNHQNSGWGT
 ASMSWGAMHGRDHRRSGNMGIPTMNIQSPLKPKFSGNVIAPPKFTRSTPSLTPKSWIEDNVFRTDNNSN
 TLLPLQDRSRMYDSLNMHSLNSLIDIMRAEHDPLKGRLSYPHPTDNLMLNARSYGRRRGRSSLFPID
 DSLDDGHSDQVGLNSPTCYSAHQNGERIERFSRKVFVGGLPDIDEDEITASFRFRGPLVVDWPHKAE
 SKSYFPPKGYAFLLFQEESSVQALIDACIEEDGKLYLCVSSPTIKDKPVQIRPWNLSDSDFVMDGSQPLD
 PRKTIFFVGGVPRPLRAVELAMIMDRLYGGVCYAGIDTDPKPKYKAGRVAFSNQSYIAAISARFVQLQ
 HGDIDKRVEVKPYVLDQMCDECGARCGGKFAFFFCANVTCLQYYCEFCWANIHSRAGREFHKPLVKEG
 ADRPRQIHFRWN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001177379

ORF Size: 2976 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:**
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_001177379.2](#)

RefSeq Size: 6757 bp

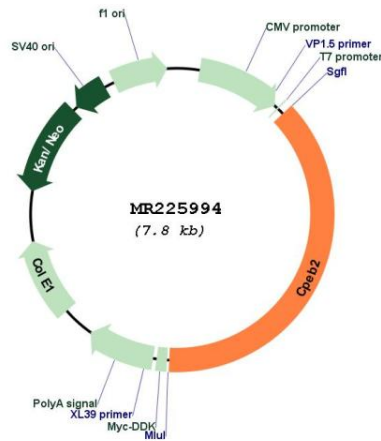
RefSeq ORF: 2979 bp

Locus ID: 231207

Cytogenetics: 5 B3

MW: 105.6 kDa

Product images:



Circular map for MR225994