

## Product datasheet for **VC100506**

### **E2B (NC\_001454) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	E2B (NC_001454) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>The Viral ORF clone VC100506 represents NCBI reference of NP\_040854 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCATTGAGCGTGCAAGACTGCGCACGGCTCACCGGGCAGTCAGTTCCAGCCATGGAACGGTTTCAGTC  
CATTGCGGAACATCTGGAACCGGTTAGGGAGTATGCTAGGGCAGCAACCACGGCAGCCGGCATCACATG  
GCTGAGCCGCTATGTCTACCACTATCATCGCTTGATGCTCGAGGACCTGGCGCCGGGCACACCAGCGACA  
CTTAGTGGCCATTGTATCGCGAGCCCCCTCCTCACTTTTTGGTGGGCTATCAGTACCTGGTTCCGACCT  
GCAACGATTATGTTTTCGAGTCTAGGGCTACAGTCGGCTGCGCTACACTGAGATTACACAGCCCGGCAT  
GCAAGTGGTTAATTGGAGTGTATGGCGAATTGTACCTACACTATCAATACCGGGAGCTACCATAGGTTTC  
GTAGATCTTGATGACTTCCAGAACACATTGACCCAGATTAACAGGCAGTGTGGCCGAAAGAGTGGTCCG  
CCGATTTGGCACTGCTGCAGCCCTCCGGGGTTTCGGAAGTACAAGAATGGCTGATAGGGGAGAAGTGGAA  
AATTCCTGTGAGTCTCTCATGCAGGACTATTATAAGGATCTGCGCAGGTGTCAAATGAAGCATGGGGG  
ATGGCAGACCGACTCCGCATCCAACAGGCAGGTCCAAAAGATGTGACCCTGCTGGCAACAATTCGACGCC  
TCAAGACCGCATACTTCAACTTTCTGATCTCATCTATTACCTCCTCCGCGGCATCACTGCGAATCCCTCA  
CGCCACAGTCTTAGTCTCCCATGCGACTGCGACTGGCTCGAAGCCTTCTCGAAAAGTTTCAGCGATCCG  
GTCCAGCTTGACTCCCTGAATGAAGCCTGGCAGTCTCTCCCGATGCAGCAGATGATTAGGTGCACGGTGT  
CAGCCCTGTCACTGCCCGAGGGCCCTCACTTGTGCCCTCTTCCGGGAGTGGAAATGCAGGGGGGTGT  
ATACAACGCTTTATTGACAGGCTGCCTGTCCGAGAAAGGAGCGGAGACAGCCGGTCCCGCCCTGTGA  
GCCCTGAAGGACCGCCGTTGAGGAAGAGGAATTTATGGAGATTGAGGAGACTCCAGCGCGGTTTCGAGCA  
GGAAGTCAGAGAAAACCGTGGCCGAAGCAATTAGACTGCTTCAGGAGGAGCTGACCTTCGAGCTAGGAAC  
TCCCAATTTTTAACTTCGCACTGGATTTTTACGAGGCTATGGATAGACTGGAAGCGCTGGGCGATATAA  
ACGAAATGACACTCAGACGATGGGTGATGATTTTTTTGTGTGCGAACACATCGTACAACCTCAACTA  
TCTCTCCAGCGCCTCCGAAATATGCCGCTTCGCGAGACATGTAGAAGTGAATATTGCGCAGGTGGTC  
ATGCGAGCCCGCAATACCGTCCGGTATGTCGTATATCCCGCTTTGGAACGAGAACGGACTCAACGCAT  
TTAGTCAACTCATGAGGCGCATCAGTAATGATCTCGCTGCTACCGTTGAAAGGGCAGGCCATGGCGAACT  
GCAGGACGAGGAGATCGACCAATTTATGTCAGAAATCGCCTATCAGGATAATAGCGGGGATGTGCAGGAA  
ATACTCAGGCAGGCTGCAGTCAATGACGAGATATCGACTCAGTCGAGCTTTCTTTTAGGTTTAGAGTCC  
GCGGGCCTGTTGTGTTTCAGTCAGCGCCGCATATCCAGGACCTCAACCGCGGGTGGTTCGCATACGCATC  
CCAGCTCCGCGCTCAACACCAGCCGCTGCCTGAACTTACGCCGATGTCCCATTGCCTCCTCTCCAAGCC  
AATCCACACCCACCATTCTCCCGATGCTAGACCACAGCGGACCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC100506 representing NP\_040854  
Red=Cloning sites Green=Tags

MALSVQDCARLTGQSVPAMERFSPLRNIWNRVREYARAATTAAGITWLSRYVYHYHRLMLEDLAPGTPAT  
 LRWPLYREPPPHFLVGYQYLVRTCNDYVFESRAYSRLRYTEITQPGMQVNVWSVMANCTYTINTGSYHRF  
 VDLDLDFQNTLTQIQQAVLAERVVADLALLQPLRGFGSTRMADRGELEIPVESLMQDYKDLRRCQNEAWG  
 MADRLRIQQAGPKDVTLLATIRRLKTAIFYNFLISSITSSAASLRIPHATVLSLPCDCDWLEAFLEKFSDP  
 VQLDSLNEAWQSLPMQMIKCTVSALSPLQGPLLPLSGSGMQGGVLFELRPRENGRAVTEIMRRRRRREM  
 IQRFIDRLPVRRRRRRQVPVPAPVSPEGPAVEEEEFMEIEETPAAFEQEVRETVAEAIRLLQEELTFAARN  
 SQFFNFVDFYEAMDRLEALGDINEMTLRRWVMYFFVCEHIATTLNLYFQRLRNYAVFARHVELNIAQVV  
 MRARNTVGDVVYSRVWENGLNAFSQLMRRISNDLAATVERAGHGELQDEEIDQFMSEIAYQDNSGDVQE  
 ILRQAAVNDADIDSVLSFRFRVRGPVVFSSRRHIQDLNRRVVAYASQLRAQHQLPELHADVPLPLPLQA  
 NPHPLPPDARPQRTM

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NC\_001454

**ORF Size:** 1938 bp

**OTI Disclaimer:** The molecular sequence of this clone can be viewed by clicking the "ORF Nucleotide Sequence" link above. This sequence represents the NCBI reference after codon optimization for human cell expression, and retaining the same decoded protein sequence. The stop codon in the native sequence was removed to create the in-frame c-terminal fusion with a Myc-DDK tag.

**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:** [NC\\_001454.1](#), [NP\\_040854](#)

**RefSeq ORF:** 1938 bp

**Locus ID:** 2715933

**MW:** 74.3 kDa