

## Product datasheet for **VC100502**

### **E1B (NC\_001454) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	E1B (NC_001454) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E1B
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 VC100502 represents NCBI reference of NP\_040850 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAACGGCCTAACAGCTCTGTGGCAGGTCTGTACAGCGGCTTGACCGTAATGGATCAGTAGAGAACC  
 TGGCGACTGAAGAGGAAGGTCTGAGGTTGCTGGCGGGAGCTGCTAGCGCACGGTTTGGCAGTTCAGCTGG  
 TCGGGGCGGGGTGGTGGGAGCCTGAAGGAAGCCTGGACATTTAACGGGATCGTAACGGAACCCGAC  
 CCCGAGGAGGGCACAAGTTCTGGACAGAGGGCGGAATAAACGGACAGAGGGGCACCAAGAGAAAAATGG  
 AGAACGAAGGGGAGGATTTCTGAAGAACTCACACTCAGCTGATGAGCCGGCGGCATCATGAATCAGT  
 GTGGTGGCCGACCTGGAAGATGAGTTCAAGAATGGCGAGATGAATCTGCTCTATAAATACTTTTGAA  
 CAGCTGAAGACCCATTGGCTTGGGCTGGGAAGATTTGAGCTGGCCCTTAATACATTTGCCAAGTGG  
 CGCTGAGGCCGATACCATCTATAACAATCAAGAAAACAGTGAATATCCGAAAGTGTGCCTACGCTCTGGG  
 TAACGGAGCCGTGGTGCATTCCAGACCTGCGACAGGGTGGCCTTAACCTGCGCAATGCAAAGTTTGGGA  
 CCCGGTCTGATCGGCATGAGCGCGTCACCTTTATGAACGTGAGATTTCGTTGGAGGGGTTCAATGGCA  
 CCGTATTTGCTTCTACAACCCAGCTGACGCTCCATGGCGTGTCTTCCAGAACTGCTCCGGAATCTGTGT  
 TGATAGTTGGGAAGGGTCTCCGCCAGGGGCTGCACCTTTGTGGCATGTTGGAAGGTGTGGTTGGACGA  
 AACAAATCCCAATGAGCGTAAAAAATGTGTATTCGAGCGCTGCATCATGGCCATGGTGGTTGAGGGGC  
 AAGCCCGAATTCGCATAACGCAGGATCCGATAACGTGTGCTTCTCCTCCTGAAGGGCACAGCGTCTGT  
 AAAACACAACATGATTTGCGGCGGGGACATTCTCAGCTGCTGACCTGCGCAGATGGGAAGTCCAGGCC  
 CTGCGAGTCTTCCAGTGGTGGCCATCCAGGGCGCCCTTGGCCGTGTTGAGCATAATATGCTGATGC  
 GGTGTACCGTCCACTTGGGTGCCCGCCGAGGAATGTTTCAGTCCGTACCAGTCAAACCTTTTGTACACAAA  
 AGTCTGATGGAGACCGATGCTTTCAGCCGAGTTTGGTGAACGGGGTGTTCGACCTGACAAATGGAAGT  
 TTCAAAGTCGTTAGGTATGACGAATCAAAGTAAGGTGTGCGCCCTGTGAGTGTGGTCAAACACATAC  
 GCCTTTACCCTGCCACACTGAACGTGACTGAACAGCTGCGAACTGACCATCAGATGATGCTCTGTGAG  
 GACCGACTATGAGTCTCCGATGAAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100502 representing NP\_040850  
 Red=Cloning sites Green=Tags

MERPNSSVAGLYSGLHGNGSVENLATEEEGLRLLAGAASARFGSSAGRGGGGGPEGRPGPFNGIVTEPD  
 PEEGTSSGQRGGINGQRGTRKRMENEGEDFLKELTLSLMSRRHESVWWADLEDFKNGEMNLLYKYTFE  
 QLKTHWLEAWEDFELALNTFAKVALRPDIYTIKKTVNIRKCAAYVLGNGAVVRFQTCDRVAFNCAMQSLG  
 PGLIGMSGVTFMNVRFVVEGFNGTVFASTQLTLHGTVFQNCVDSWGRVSRGCTFVACWKGVVGR  
 NKSQMSVKKCVFERCIMAMVVEGQARIRHNAGSDNVCFLLLKGTASVKHNMICGGHSQLLTCADGNCQA  
 LRVFHVVSHPRRPWPVFEHNMLMRCTVHLGARRGMFSPYQSNFCHTKVLMETDAFSRVWVNGVFDLTMEL  
 FKVVRYDESKVRCRPECGANHIRLYPATLNVTEQLRTHQMMSCLRDYESSDED

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_001454

**ORF Size:** 1428 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\\_040850](#)

**RefSeq ORF:** 1428 bp

**Locus ID:** 2715936

**MW:** 53.0 kDa