

## Product datasheet for **VC100431**

### **E2B (NC\_010956) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	E2B (NC_010956) 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 VC100431 represents NCBI reference of YP\_001974468 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCTGAGCGTAAATGATTGCGCCAGACTGACGGGGCAGACAGTCCCCACCATGGACTACTTCTCTGC  
CATTGCGAAATATATGGAATAGGGTGAGAGAGTCCCCAGAGCTTCAACAACAGCCGAGGAATTACGTG  
GATGAGTCGCTACTTGTACGGTTATCACCGATTGATGTTGGAGGACTTGGCTCCCGGTGCACCAGCTACC  
CAGCGGTGGCCTCTATCGGCAGCCCCACCACACTTCTGGTCGGTTATCAATATCTTGTTCGCACTT  
GCAACGACTATGTGTTGATAGTCGCGCTTCAGCAGGCTCCGATACTCAGAGGTGGTTCAGCCCGGGCT  
CCAGACCGTGAATTGGTCACTCATGGCAAAGTGTACATACACCATAAATACAGGTGCATACCATAGGTTT  
GTTGACATGGACGACTTCCAGGACACACTGACCAGAGTACAGCAAGCTATATTGGCCGAGAGAGTTGTCG  
CCGACCTTGCTCTTGTGCAGCCGCTGCGGGGCGTCGGCGTGACCAGGATGGAAGATTCCGCGTCCGCATC  
AGATGATATCGAACGCTGATGCACGATTACTATAAAGAACCTCAGCAGATGCCAAGGGCAAGCATGGGGC  
ATGGCTGAGAGGCTCAGAATTAACAGGCCGGCCCTAAGGATCTTGTGCTCCTCGCTACTATCCGGCGGC  
TGAAAAACGCATACTTCAACTATATCATAAGCAATAGAAAACAGCAACTCTGTACACCGCGCCGCGACTTG  
TTTGTCACTCCCTTGACTGCGATTGGCTCGATGCTTTTTTGGAAACGATTCTCCGATCCTGTGGATCTG  
GATGCCCTCACCAGCCCAACCCCTCAGCTGATCAGATGTATCGTCTTGCCTGTCCCTGCCTAACGGGG  
ACCCCCCGCATTACGGGAAATGACAGGGGGCGTGTCTACTCTCCGCCCTAGAGAAAGAGGCCGGCTGT  
AACGAAAATATCGCCCGCAGACGCGGGGAGATGATCGAACGGTTCGTGGATAGACTGCCTGTGAGCGCG  
AGGAGAAGGCGCGCACCCCTCCACCACCCACCTGAGGAGGAAATCGAGGAGGAGTTGTGATGGAAG  
AGGAAGAGGAGGAGGAGGCACCCGGGACTTCGAGCGGGAGTTTCGCGCCACCATTGCTGAACTGATTAG  
GCTGTTGAGGATGAGTTGACCGTTTCTGCAAGAAATGCACAGTCTTTAACTTTGCCGTTGACTTCTAT  
GAGGCCATGAAAAGACTCGAGGCCATCGGCGACATCTCAGAGATGCCGCTGAGACGGTGGATCATGTATT  
TTTTTGAAGTGAACATCGCCACTACCTTGAATTATCTGTTCCAGCGCCTTAGGAATTACGCAGTCTT  
CACCAGACAGTGGAACTGAACCTCGCACAGGTGGTGTGCGAGCCAGGGACGCGGACGGCGATGTCGTT  
TATTCACGAGTTTGAATGAATCAGGCTTGGGCGCCTTCTCCAGCTCATGGGAGAATAAGCAACGATC  
TGGCAGCAACAGTCAACGGGCTGGTAGAGGAGATCTTCAGGAGGAAGAGATAGAGCAGTTCATGACAGA  
GATCGCGTACCAAGATAACTCAGGAGATGTGCAGGAAATCTGCGCCAAGCTGCGGTGAACGATGCTGAA  
ATAGACTCAGTGGAGCTCAGTTTCAGGTTAAGGTTACCGGGCCTGTGGTGTTCACCCAAAGGCGGCAGA  
TACAGGACGTGAATAGGAGGGTGGTGGCTCATGTAGCGCCCTTCGGGGCAGCAGAGGGATCTCCAGAG  
GAGACATGCAGATGTGCCATTGCCCCCTGCCAGCTGGTCCCAGAACCTCCCCTGCCACCCGGGGCTCGA  
CCGCGACACCGCTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC100431 representing YP\_001974468  
Red=Cloning sites Green=Tags

MALSVNDCARLTGQTVPTMDYFLPLRNIWNRVREFPRASHTAAGITWMSRYLYGYHRLMLEDLAPGAPAT  
 QRWPLYRQPPPHFLVGYQYLVRTCNDYVFDSEAFSRLRYSEVVQPLQTVNWSLMANCTYTINTGAYHFR  
 VDMDDFQDTLTRVQQAIIAERVVADLALVQPLRGVGVTRMEDSASASDDIERLMHDYYKNLSRCQQAQW  
 MAERLRIQQAGPKDLVLLATIRRLKNAFYNYIIISNRNSNSVHRAATCLSLPCDCDWLDAFLERFSDPVDL  
 DALTSPTPQLIRCIVSALSPLNGDPPHYREMTGGVFTLRPRERGRAVTEMRRRRGEMIERFVDRLPVR  
 RRRRAPPPPPPEEEIEEEVVMEEEEEEAPGDFEREVRATIAELIRLLEDELTVSARNAQFFNFVDFY  
 EAMERLEAIGDISEMPLRRWIMYFFVTEHIATTLNLYFQRLRNYAVFTRHVELNLAQVVMRARDADGDVV  
 YSRVWNESGLGAFSQLMGRISNDLAATVERAGRGDLQEEEEIEQFMTEIAYQDNSGDVQEILRQAAVNDAE  
 IDSVLSFRFKVTGPVVFTRRRQIQDVNRRVVAHASALRAQHRDLPERHADVPLPPLPAGPEPLPPGAR  
 PRHRF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_010956

**ORF Size:** 1905 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\\_010956.1](#), [YP\\_001974468](#)

**RefSeq ORF:** 1905 bp

**Locus ID:** 6386271

**MW:** 73.0 kDa