

## Product datasheet for **VC100429**

### **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)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100429 represents NCBI reference of YP_001974426 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCACTGGTCCAGTCTCACGGCGCCAGAGGTCTTCACGCAGAAGCCGCTGACCCAGGCTGTCAACCTC  
CACGCAGGCGGGCGAGACAGCGATCTCAAGGAGCTGCTCCTGGACCCGCTAGAGCACCACGGAGAAGAGC  
CTCTGCAGCACCAGCTAGAGGAGCTAGGACTGCCGCCAGCGGGAAGCACTCCAGCCACACCCCTGTG  
AAAGCCACAGAGGCACCTGTGGTGGCCCTCGGTCTTACGGTCTCATGCAGTGCCTGATACCACTACAA  
ACAGCCCTGTTGAAATTAATAACCACTTGCATCTGAAGCATGCATTGACTAGATTGACGAAGTCAATCT  
TCGAACACTGCCACCCGACCTTGATCTGAGAGATACCATGGACAGCTCACAGCTGAGGGCCTTGTTTTT  
GCGCTCAGACCACGCCGCGCAGAGATCTGGACATGGCTGCCACGAGGACTGGTATCTTTGAGCGTACTGG  
AAGAACCTCAGGGTGAGTCACATGCTGGCGAACATGAGTCTCACCAGCCAGGGCCTCCCCTGCTTAAGTT  
TCTCCTGAAAGGTCGGGCGGTGTACCTGGTTGACGAGGTCACGCCAGTACAACGGTGCGAATATTGTGGC  
CGCTTCTACAAGCATCAGCAGAGTGCAGCGTGAGAAGGCGGGACTTTTACTTCCATCACATCAACTCCC  
ATAGCTCAAATTGGTGGCAAGAGATCCAGTTTTTCCCCATTGGCAGTACCCTCGAACCGAGCGACTCTT  
CGTGACATACGAGCTCGAAACATACACGTGGATGGGAAGTTTCGAAAAGCAGCTGGTTCCCTTTATGCTG  
GTGATGAAGTTCAGCGGGGAGCCAGAGCTGGTGGCTCTGGCTAGGGATCTCGCGTAAGACTCAGATGGG  
ATAGGTGGGAGAGAGATCCACTGACCTTTTACTGTGCTACTCCAGAAAAGATGGCCGTGGGCCAGCAGTT  
CCGACTGTTTAGGGATGAGCTCCAGACATTGATGGCGCGCAGCTGTGGGCCCTATTTCATGCAGGCCAAT  
CCCCACTTGCAGGAATGGGCCTTGAACAGCATGGTCTTCAGTGGCCGGAGGATCTGACGTATGAGGAGT  
TGAAAAAGCTGCCTCATATAAAGGGCAGACCCCGTTCATGGAATTGTATATCGTGGGACATAATATAAA  
CGGTTTCGACGAAATCGTGCTGGCTGCGCAGGTGATCAATAACCGGGCTTCTGTGCCAGGACCTTTTCGG  
ATCACCCGCAATTCATGCCAGGGCCGAAAGATTCTGTTTAAATGATGTGACCTTCGCCCTGCCAACC  
CTCTGTCCAAAAAGAGAACCATTTCGAACCTGTGGGAGCATGGAGGCTGTGATGATTCTGACTTCAAGTA  
TCAGTTCCCTAAAGTCATGGTGAGAGACACCTTTCGACTGACCCATACCTCCCTCCGAAAGCAGCCAG  
GCCTACGCACTGCCCGTCGAAAAGGGATGTTGTCTTACAAGGCAGTGAACCATTCTACATGTTGGGAA



[View online >](#)

GCTATCGAGCCGATGATAGGGGCTTCCACTGAGAGAGTATTGGAAGGATGATGAAGAGTATGCCCTCAA  
CAGAGAACTGTGGGAAAAAAGGGGAAGCAGGTTATGACATAATAAGAGAGAACTGGACTACTGTGCC  
ATGGATGTGCTGGTCACAGCCGAGCTTGTGGCGAAGCTTCAGGACTCCTACGCTCATTTCATCAGGGACA  
GCGTCCGCTGCCTCACGCTCACTTCAACATCTCCAGCGGCCTACCATTAGCAGCAATAGCCATGCCAT  
CTTTCGACAGATCGTCTCCGAGCTGAGCAACCGCAAAGAACCACTCGGCCAGCTTTCCTGGCGCCT  
TCCCACGAGTTGTACGATTATGTGCGCGCAAGCATTGCGGCGGCGCTGCTACCCTACATACATCGGGA  
TTCTGTCCGAGCCAATCTACGTTTACGACATATGCGGCATGTACGCCCTCGCCCTCACTACCCAATGCC  
CTGGGGACCCCCCTCAATCCTTACGAGCGGGCACTGGCTGCACGCGAATGGCAGATGGCTCTCGACGAC  
GCTTCTTCCAAAATTGACTACTTTGATAAAGAGCTGTGTCCCGGATTTTTACCATTGACGAGATCCAC  
CTGATGAACACTTGTGGATGACTCCCGCCTTCTGTAGTCGAAAGCGGGCGCTGTGCTGGACTAA  
TGAGCCTCTCCGAGGCGAGGTGGCTACCTCTGTAGACCTGTGACCCTCCATAACAGGGGTGGCGCTG  
CGGATAGTGCCTGATGAACGACAACCGTTTTCCCGAATGGAAGTGTGGCTAGAGAGTATGTACAGC  
TGAATATCGTGCAGGAGCGAGCCGATCGGGATAAAAACCAGACCATGCGGTCAATTGCTAAGTTGTT  
GTCCAACGCTCTCTACGGCAGCTTGGCCAAAACCTGGACAACAAGAAAATCGTCTTCTGACCAATG  
GATGAGTCTCTGTGAAGTCAATCGCCGCTGGTCAGGCGAACATAAAAAGTAGTTCAATTTCTGAGACCG  
ACAATCTGTCTGTGAGGTGATGCCCGCACTGGAGCGCAGTATTGCCCCAGCAGCTGGCACTTGTGCA  
TAGTGACGCCGAGGAGTCTGAAGACGAACATAGACCTGCTCCATTCTACACACCCTTCAGGCACTCCC  
GGCCATGTGGCATATACCTATAAGCCTATCACTTTTCTGGACGCCGAGGAAGGGCATATGTGCTGCACA  
CGGTCGAAAAAGTGGATCCCCTGGTGGATAACGACCGATATCCTAGCCATGTGCGCTCTTTCGTGCTGGC  
CTGGACGCGAGCCTTCGTGAGTGAGTGGAGCGAGTTTCTGTACGAAGAGGATAGGGGGACACCTCTCCAG  
GATAGACCGATTAAGAGTGTGTATGGTGATACAGATTCACTGTTCTGTGACCGAGAGAGGCCACCGCCTCA  
TGGAGACCAGGGGAAGAAGCGCATCAAGAAAAACGGAGGAAAATTGGTATTTGACCCAGAGCAACCAGA  
ACTCACCTGGCTCGTTCGAGTGCAAAACCTGTATGCGCGCACTGTGGGGCCGACGCTTTTGCACGAAAAGC  
GTATTTCTGGCGCCTAAGCTGTACGCCCTGCAATCATTGCTGTGCCAGCTTGTGGACGATCCAGCAAGG  
GAAAGCTGAGAGCAAAAGGGCACGCTGCTGAGGCTCTGAACTATGAGCTGATGGTTAACTGTTATCTGGC  
TGACTCCAGGGCGAGGATAGGGCTCGGTTTTCCACCAGTCGCATGTCACTGAAGCGAACTCTCGCGAGC  
GCGCAGCCCGGAGCTCATCCCTTACCCTAACAGAGACCACACTGACCAGAACTCTGAGGCCATGGAAGG  
ACATGACACTGGCCGCGCTGGACGCCACAGACTGGTGCCATACAGCCGAGTAGGCCTAACCCACGGAA  
CGAGGAGGTGTGTTGGATCGAGATGCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC100429 representing YP\_001974426  
Red=Cloning sites Green=Tags

MALVQSHGARGLHAEAADPGCQPPRRRARQRSQGAAPGARAPRRRASAAPARGARTAAAGSTPATPLL  
 KAHRGTVVAPRSYGLMQCVDTTNSPVEIKYHLHLKHALTRLVEVNLRTLPPDLDRDTMSSQLRALVF  
 ALRPRRAEIWTWLPRLVSLVLEEQGESHAGEHESHQPGPLLKFLKGRAVYLVDEVQPVQRCEYCG  
 RFYKHQHECSVRRRDFYFHINSHSSNWWQEIQFFPIGSHPRTERLFVTYDVETVTWMSGFGKQLVPFML  
 VMKFSGEPELVALARDLAVRLRWDRWERDPLTFYCVTPEKMAVGQQFRLFRDELQTLMARELWASFMQAN  
 PHLQEWALEQHGLQCPEDLTYEELKKLPHIKGRPRFMELYIVGHNINGFDEIVLAAQVINNRASVPGPFR  
 ITRNFMPRAGKILFNDVTFALPNPLSKKRTDFELWEHGGCDDSDFKYQFLKVMVRDTFALHTSLRKAQ  
 AYALPVEKGCCPYKAVNHFYMLGSYRADDRGFPLREYWKDDEEYALNRELWEKKGEAGYDI IRETLDYCA  
 MDVLTVAELVAKLQDSYAHFIRDSVRLPHAHFNIFQRPTISSNSHAI FRQIVFRAEQPQRTNLGPAFLAP  
 SHELVDYVRASIRGGRCYPTYIGILSEPIVYVDICGMYASALTHPMPWGPPLNPYERALAAREWQMALDD  
 ASSKIDYFDKELCPGIFTIDADPPDEHLLDVLPPFCSRKGGRLCWTNEPLRGEVATSVDLVTLHNRGWRV  
 RIVPDERTTVFPEWKCVAREYVQLNIAAKERADRDKNQTMRSIAKLLSNALYGSFATKLDNKKIVFSDQM  
 DESLLKSI AAGQANIKSSSFLETDNLSAEVMPALEREYLPQQLALVDSAESEDEHRPAPFYTPPSGTP  
 GHVAYTYKPITFLDAEEGDMCLHTVEKVDPLVDNDRYP SHVASFLAWTRAFVSEWSEFLYEEDRGTP LQ  
 DRPIKSVYGD TDSL FVTERGHRLMETRGGKRIKKNNGKLVDFPEQPEL TWLVECE TVCAHCADAFAPES  
 VFLAPKLYALQSLCPACGRSSKGLRAKGHAAEALNYELMVNCYLADSQGEDRARFSTSRMSLKR TLAS  
 AQPGAHPFTVTETTLTRTLRPWKDMTLAALDAHRLVPYSRSRPNRNEEVCWIEMP

TRRRLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NC\_010956

**ORF Size:** 3528 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NC_010956.1</a></u> , <u><a href="#">YP_001974426</a></u>
<b>RefSeq ORF:</b>	3528 bp
<b>Locus ID:</b>	6386271
<b>MW:</b>	134.0 kDa