

Product datasheet for **VC100467**

E2B (NC_003266) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2B (NC_003266) 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 VC100467 represents NCBI reference of YP_068023 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCTCGTGCAGACCCATGGGAGCCGCGCCTCCACCCGAGGCTAGTGATCCTGGTCGCCAACCAT
CCAGGAGAAGATCCC GCCAGAGCTCTCCCGGTGCCGTTCCCGAACCTGCCAGGGCAAGCGGCGACGCGC
ACCTGCCACAAC TGCAAGCGGAAGCAGAGCAGCACCTACAGCTCGCAGAGCTTCTCACCTCCCTGGCTG
ACTATGGAGGCTAAACCTTTGCCACCTGCTAAAAAGAAGCGAGGCACCGTTGTTACCCCCAGGGGATG
GCACCCCTCAAGCAATTGACGTGGCTACGAATGGCGCAGTGAAAATTAATATCACCTTGACCTGCCACG
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AGGACACTGGATAGCAGTGGCCTCAGGGCCTTGGTCTGGCCTTGCGGCCAGTCAGGGCTGAGGTCTGGA
CCTGCCTGCCAAGGGCTTGGTAAGCATGACAACAATCGAGGCCGAGGAGGGCCAGGCAGATCACCATGA
CGTCGTGCAGCATCAAATGCAGGCACCGAGGCTCCATTTCCCTCTTAAGTTCTCGTGAAGGGTACCCAG
GTTTCAGCTCGTACAACACGTACATCCAGTCCAGAGGTGTAACACTGCGGGAGGCTGTACAAACACAAGC
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GGAGATCCAATTTCTCCCAATTGGCTCCCACCAAGAACCAGCGGCTGTTTCTCACTTACGATGTCGAA
ACATACACCTGGATGGGAAGCTTCGGCAAGCAGCTTGTGCCGTTTATGCTGGTAATGAAGCTGTCAGGCC
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GTCCGGGATACCTTCGCTCTGACTCACACATCTCTGCGGAAGGCAGCACAGGCGTATGCCCTGCCAGTGG



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AGAAAGGATGTTGTGCTTACAAGGCCGTAATCAATTTTACATGCTGGGCAGTTATAGAGCAGATCAGGA
TGGATTCCCACTCGAGGAATATTGGAAGGACAGGGAGGAGTTCTTGTGAATCGCGAACTCTGGAAGCAG
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CCTTTACAGTTACAGAGACTACTCTACAAGAACCCTGAGACCCTGGAAAGATCGCACCTTGCTGCCCT
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GAAATGCC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >VC100467 representing YP_068023
 Red=Cloning sites Green=Tags

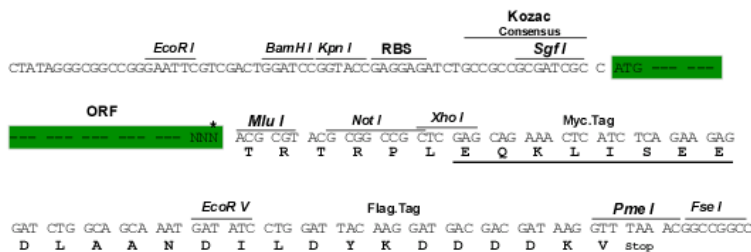
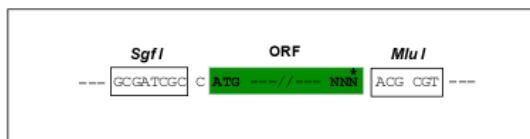
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 TMEAKPLPPAKKKRGTVVTPQGHGTLQAIDVATNGAVEIKYHLDLPRALEKLLQVNRAPPLPTDLTPQRL
 RTLDSSGLRALVLALRPVRAEVWTCPLRGLVSMTTIEAEEGQADHHDVQHQMQAPRLHFPLKFLVKGTQ
 VQLVQHVPVQRCEHCGRLYKHKHECSARRRHFFYHHHINSHSSNWWQEIQFFPIGSHPRTERLFLTYDVE
 TYTWMGSFGKQLVPFMLVMKLSGDDRLVELALDLALQLKWRWHGDPRTFYCVTPEKMAVGQQFRQYRDR
 LQTALAVDLWTSFLRANPHLADWALEQHGLSDPDELTYEELKKLPHVKGRPRFVELYIVGHNINGFDEIV
 LAAQVINRAEVPQPFRI TRNFMPRAGKILFNDVTFALPNPAYKKRTDFQLWEQGGCDDIDFKHQFLKVM
 VRDTFALTHTSLRKAQAYALPVEKGCCAYKANQFYMLGSYRADQDGFPLEEYWKDREFFLLNRELWKQ
 KGQLKYDI IQETLDYCALDVLVTAELVAKLQDSYAHFIRDSVGLPHAHNIFQRP TISSNSHAIFRQIVY
 RAEKPSRANL GAGLLAPSHELYDYVRASIRGGRCYPTYIGILDEPLYVYDICGMYASAL THPMPWGTPLS
 PYERALAVREWQASLDDLGTCSISYFDPDLLPGIFTIDADPPDELM DPLPPFC SRKGGRLCWTNEPLRGE
 VATSVDLITLHNRGWQVRIVPELTTVFPEWKCVAREYVQLNIAAKERADKEKNQTMRSIAKLLSNALYG
 SFATKLDNKKIVFSDQMDEGLLKGISAGTVNIKSSSFLETDNLSAEVMPAFEREYLPQQLALLDSDPEDS
 EDEQRPAFYTPAGTPGHVAYTYK PITFLDVDEGDMCLHTLEKVDPLVDNDRYPSHVASFVLAWTRAFV
 SEWGSFLYDEDRGVPLEDRPIKSVYGD TDSL FVTQRGHELMETRGGKRRIKNGGKLVFDPNQPDLTWLV
 CETVCAHCGADAYAPESVFLAPKLYALKSLLCPACGQTSKGLRAKGHAAEALNYELMVNICYLADAQGAD
 RERFSTSRMSLKR TLASAQPGAHPFTVTETTLTRTLRPWKDRTLAALDAHRLAPYSR SRPNRNEEVCWI
 EMP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_003266

ORF Size: 3579 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:	<ol style="list-style-type: none">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:	<u>NC_003266.2</u> , <u>YP_068023</u>
RefSeq ORF:	3579 bp
Locus ID:	2958478
MW:	135.2 kDa