

Product datasheet for **VC100505**

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)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100505 represents NCBI reference of NP_040853 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCTGGTCCCTTCTCCGAGGGCAGGCGGGTTCTGCCAGCAGAAACCCATAGCGGGCCGCAACCCC
CACGAAGGAGAGTTAGGCAAAGTACCGCGGGGGCAGCCCCAACGGCAACTCGGGCTCTCGACGAAGAGC
CGCCACCGCTTCTCTGGCGAACCTCCAAGTACTACGGCGTCTGGAAGACCTCCAGCCGCCAACCAAGCTG
AGCCTCACACCCAACTCACGGCTCAGGGTACCATTGTGGCCCCACGGGGTCAAGTCTGTTGTATGCTA
TCGACACCGCTACTAATTCCCCATGGAGATCAAGTTCATCGCCGACTTGCATCCGCTCTGACGGATT
GTTGCAAGTGAACCTGCGGAGCGTGCCTGCCGATCTGAACGAGGCATTTCTCGATTCACTGGATTCAAGC
CAGATCCGCACACTTGCCTGAAGCTTAAGGTGCAAGAGTGGAGGTTTGGACATGTGGAAGTCGGGGG
TAGTGGTGCCCTCATTATCCACCCACAACAGGAACGCGCAGGCGCTGAGGAGGGTGACGAGGGCGAACG
GCAGGACACAGAAGACTTCTCAACTCCCTCTCAGATTCTGGTGAGGGGCAGGAGGTTATCTGATC
CAGGAGATGCAATCAGTGCAGCGGTGCGAGTACTGCGCCCGCTTTATAAGTATCAGCATGAGTGTACCG
TACGCCGGCGGGATTTTATTTTACCACATTAATGCCCATAGCTCTGGATGGTGGCAGAAAATTAAGT
TTTTCCGATCGGATCTCATCCTAGAGTCGAGCGCCTTTCGTGACCTACGATGTGGAACGTATACATGG
ATGGGTGCCTTCGGAAAGCAGCTGGTCCCCTTCATGCTGGTAATGCACCTGTGAGGCGAGGAGGCTCTTG
TTAAGGAAGCATGTAGGCTGGCCTGTGAGCTGCAGTGGGACACTTGGGGCAATGATGAACGAACATTCTA
TGTAAGTACCCCGGAGAAGCTGGCCGTTGGGAAAAAGTTTCGAGAATATCGGAACCGGCTGCAGGCCCAT
TTTGCCCTGCAATTGTGGCGGGGTTTTCTCGCGGCTAATCCACAGCTGGCAGAGTGGGATGCTTGGAAA
TGGGCTGTTTAGCCCTGATTATCTCACGTACGAAGAAGTTCAGAAGGCCCCCAAGCTCCAAGGGCGGCC
CAGGTTTCTCGAATTGTACATCGTGGGACACAACATTAACGGGTCGACGAGATCGTGCTCGCGGCACAG
GTGATCAACAACAGGAGCGACGTACCTGGGCCTTTAAGTACACGAAATTTATGCCTAGAGCTGGAA
AAATTCGTTCATGACATCACTTTTGCCTGCAAAACCCATCATCTAAAAGCGGACAGACTACCGCT
GTGGGAGCAGGGAGCTTGCAGATTGAGACTTTAAGTACCAGTTTCTCAAAGTTATGGTCCGCGACCC
TTTGCATTGACACATACTTCACTGAGAAAGGCCGACAGGCATATACTTTGCCTGTGAGAGGGATGCT



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GTCCCTATAAGGCGGTGAACGAATTCTACATGCTGGGCTTTATCGAGCCGATGAACGGGGTTTTCCCGC
TGAGGACTACTGGAAGGACCGGGAGGAGTACCTGCTGAACAGAGAATTGTGGGAGAAGAAGCAGTGTCCA
CACTATGACCTGGTACGGGAAACGCTGGATTATTGCGCGCTGGATGTCTTGGTGACAGCCGATTGGTTC
AAAAGTTGCGCGAATCATACGCCAGTTCATCAGGGATGCCGTGGCTTGCCCGAGGCCTCATTCAACGT
ATTTACAGCGGCCACGATTTCTAGCAACAGCCACGCTATATTCCGACAAATCCTTTATAGAACAGTGAAG
CCACAGAGAAGCGACTTGGGGGGCTCTCTGCTTGTCCATCACATGAAATGTATGACTATGTGCGCGCCA
GCATCCGGGGTGGTAGATGCTACCCACCTACATTGGCGTCTGAGGGAGCCGCTTTACGTTTACGACAT
TTGTGGCATGTACGCTTCTGCGCTGACACACCCTATGCCATGGGGTTCCCTTGAACCCATACGAGAGG
GCACTGGCTGTTGCGGATTGGGAACACGCACTGCTGCAGGTGGGACCCCATCGACTATTTAACC
CTCTGCTCCAGGAATCTTACGATCGACGCCGATCCTCCTCCGAGAACCTGTTGGACGTGCTGCC
ACTGTGCTCCAGGAAGGGTGGGCGGCTGTGTTGGACCAATGAGCCCTTTCGCGGTGAGGTGTTACAAGC
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TTCCCGAATGGCGCTGTGTGGCCAAAGAGTACGTGCACCTGAATATTACAGCTAAAGAAAGGGCCGACAG
GGAGAAGAAATCAGACTCTGCGCAGTATCGCCAAGCTCTTGTCCAACGCCCTGTACGGGAGCTTCGAACC
AAGCTCGATAATAAGAAGATAGTATTTTCTGACCAGATGGATAGCGCAACAATTAAGAGCATCGCCGCCG
GGCAGATCAATATAAAGTCTACATCTTTTGTGGAAACCGACACCCTCAGTGCAGAAGTCATGCCAACATT
TCAGCGCGCTTACTCTCCGGAGCAGCTGGCTGTGGTCCATAGCGATGCTGAAGAATCAGATGAAGAGCCC
GGCCACGCCCCATTTTACACTCCCACCCACAAGCCCAACGATCATGTGACCTACACGTACAAACCTATCA
CATTTATGGACGCCGAAGAGGACGACCTTTGCCTGCACACTCTCGAGAAGGTGGACCCGCTGGTTGAGAA
TAATCGCTACCCCTCCAGATAGCTCCTTTCGCTCCTCGCGTGGACCCGGGCATTCGTGTCCGAATGGTCA
GAAATTCGTACGCAGAGGATCGCGGGACCCCTTTGGAACAGCGGACTCTCAAATCCGTCTACGGCGACA
CAGACTCTCTGTTTGAAGTGAAGCGGGCTATAGACTGATGGAGACAAGAGGCAAGAAGCGAATCAAGAA
ACACGGCGGTAACCTGGTTTTTGTATCCTAAGCATCCCAGCTTGGCTTGGCTGGTGAATGCGAAACCGTC
TGTGCTCAATGCGGGGCGGACGCTTATAGCCAGAGTCCGTTTTTCTTGCGCCAAAGCTGTATGCACTGA
AATGCCTCCGGTGTCCGAGCTGTGAGCAAAATTTCAAAGGCAAGCTCAGAGCGAAAGGGCAGCTGCCGA
GACTCTGAATTATGATCTCATGCTTAAATGCTATCTCGCGGACTTCCAGGGAGAGGACGCCAGATTTTAC
ACAAGCCGGATGTCTTTGAAAAGGACCCTGGCCAGCGCACAGCCTGGGGCAAGACCTTTTACAGTAACCG
AAACGAATCTCACAAGGACATTGAGACCTTGGAAAGATATCACCTGGCCCCACTGGATGCCCATCGCT
GGTGCCATATTCTCAGAGTCGGCCCAATCCAAGGAACCAGGAAGTTTGTGGATCGAAATGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100505 representing NP_040853
 Red=Cloning sites Green=Tags

MALVPSRAGGFLPAETHSGPQPPRRRVRQSTAGAAPTATRAPRRRAATASPGPEPSTTASGRPPAANNV
 SLTPNSRLRGTIVAPRGQLLYAIDTATNSPMEIKFHRRLASALTRLLQVNLRSVPADLNEAFDLSLDSS
 QIRTLALKLKVPRVEVWTCGSRGVVVPVSIHPQQRAGAEEGDEGERQDTEDFLNFLRFLVRGRQVHLI
 QEMQSVQRCEYCARFYKYQHECTVRRRDFYFHINAHSSGWWQKINFFPIGSHPRVERLFVITYDVETYTW
 MGAFGKQLVPFMLVMHLSGEEALVKEACRLACELQWDTWGNDETFYVVTPEKLAVGKKFREYRNRLQAH
 FALQLWRGFLAANPQLAEWACLEMGLFSPDYLYEELQKAPKLQGRPRFLELYIVGHNINGFDEIVLAAQ
 VINNRSDVPGPFKITRNFMPRAGKILFNDITFALPNPSSKKRTDYRLWEQGACDSDFKYQFLKVMVRDT
 FALTHTSLRKAQAAYTLPEKGCPCYKAVNEFYMLGSYRADERGFPAEDYWKDREEYLLNRELWEKKQCP
 HYDLVRETLDYCALDVLVTAALVQKLRESYAQFIRDAVGLPEASFNVFQRPTISSNSHAIFRQILYRTVK
 PQRSDLGGSLAPSEMYDYVRASIRGGRCYPTYIGVLRPLYVYDICGMYASALTHPMPWGFPLNPYER
 ALAVRDWEHALLQVGTPIIDYFNRTLLPGIFTIDADPPENLLDVLPLCSRKGGRLCWTNEPLRGEVVS
 VDLITLHNRGWHVRLLPDERATVFEWRCYAKEVYVHLNITAKERADREKNQTLRSIAKLLSNALYGSFAT
 KLDNKKIVFSDQMSATIKSIAAGQINIKSTSFVETDTLSAEVMPFQRAYSPEQLAVVHSDAEESDEEP
 GHAPFYTPTHKPNHDVITYKPIITFMDAEDDLCLHTLEKVDPLVNNRYPQSIASFVLAWTRAFVSEWS
 EILYAEDRGTPLEQRTLKSVYGDDSLFTVEAGYRLMETRGKKRIKKGHGNLVFDPKHPELAWLVECETV
 CAQCGADAYSPEVFLAPKLYALKCLRPCSCQQISKGLRAKGHAAETLNYDLMLKCYLADFQGEDARFH
 TSRMSLKRTLASAQPGARPFVTETNLTRTLRPWKDITLAPLDAHRLVPYSQSRPNRNQVEVCWIEMP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001454

ORF Size: 3564 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_001454.1</u> , <u>NP_040853</u>
RefSeq ORF:	3564 bp
Locus ID:	2715933
MW:	135.3 kDa