

Product datasheet for **VC100261**

E2B (NC_001460) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2B (NC_001460) 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 VC100261 represents NCBI reference of NP_040917 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTTGTCAATCCAGGATTGTGCAAGACTGACTGGTCAGAGCGTCGCCACCATAGAAAGATTCTCTGC
CATTGCGCAACATCTGGAATCGGGCCAGAGAATTCATGAGGGCAACGACCACGGCCCGGCATCACATG
GATGTCCCGGTATATACGAGTACCACAGGCTTATGCTGGAGGACCTGGCACCAGGCGCAGCTGCTACC
CTGGGATGGCCTCTGTATCGCGAGCCACCCACACTTCTGGTTGGGTACCACTACCTTGTGAGAACCT
GCAATGATTATGTCTTTGATAGTAGAGCCTATTCTCGCCTGCGGTATACAGAGACAGTGCAGCCGGGAAC
GCAGACCGTGAAGTGGAGCGTTATGACAACTGCTCATATACTATAAACGCCGGAGCCTATCACAGTTT
GTCGACGTCGACGACTTTGCTACCACACTGACCCAGATCCAGCAGGCAGTCTTGGCCGAAAGGGTTGTAG
CAGATCTGGCACTCCTGCAGCCCTTGCAGGGATATGGGAGCACACATGGCAGACCGGGGAACCGGGA
GGTTGAAGTGGAGAGACTGATGCAGGACTACTACAAGGACCTTGGCCGGTGCCAGAGTGCAGTGTGGGG
ATGGCAGACAGACTGCGAATCCAGCAGGCGGGGCCGAAAGATGTTGTGCTCCTGAAGACAATCCGAGGAC
TCAAAACAGCCTACTTTAATTACATAATCTCCTATCGCACAGCTGCCCGGCACACTCGAGGAAACGAA
ACTTAGCCTCCCTGTGACTGTGACTGGCTCGACGCCTTCTCGAGCGGTTTGTGACCTGTGCGCATG
CAAACGCTCAGCTCCCTTCGGGGCGTGCCTACTCAACAAATCATTAAAGTGCATCATCAGCGCCGTGCTCT
TGCCTAATGCTCCAAGGAATGCCTATTTCCTATCCTGCACGAAACCGAGCTGCGCGGAGGCGTGTGGA
ACTTAGCCCCGCGAAAATGGTAGGGCGGTGACAGAAACCATGCGGCGGGGAGGGGGCAGATGATCGAG
AGATTCGTGGATAGACTGCCAGTGAGACGACGCCGACGAGACAGCCGCCTCCTCCCGTGGTTGAGGAGG
AAATCATGGAAGTTGAGGAGGAGGAACAGGAGATCGTGCCTGGAGCCTTCCAGCAGGAAGTCCGCGAAAC
TGTCGCTGAGCTGATCAGACTGCTTGAAGGAGCTGACTGTGGCAGCACGGAATTCACAGTTCTTCAAT
TTTGCAGTTGACTTCTATGAGGCCATGGAGCGGCTCGAAGCCCTGGGTGATATTAACGAGCTCACCTGA
GGAGGTGGATCTTGACTTCTTTGTAAGCGAACACGTGGCCACCACACTTAATTACCTGTTTCAGAGACT
TCGCAATTACGGCGTTTTTGCCTCGCTGGTGGAGCTGAATTTGGCTCAGGTAGTTATGAGAGCGGAGAT
TCAGAGGGGGCGTAGTGTATTCAAGGGTGTGGAACGAGATCGGATTGAATGCCTTCTCACAGCTGATGT
CAAGGATCTCAACGATCTCGCCGCCACCATCGAGAGAGCAGGACACGGAGACTTGCAGGAGGAAGAGAT
TGACCAGCTCATGGCTGAAATTGCTTACCAGGACAACCTCCGGGACGTACAGGAGATACTCAGGCAGGCC
GCCGTTAACGACACTGAAATCGACAGTGTGAACTCTCTTTTAGATTTAAGACCACCGGACCGGTAGTGT
TCAACCAGAGGGCAGATACAGGACATAAATCGCAGGGTGGTTGCGCACGCGAGCCAGTTGAGAGCGCA
ACACCTCCCCTGCCAGAAAGGCAAGCGGATATCCCACTGCCCCCTTGGCAGCTGGGCCTGAGCCACCC
TTGCCACCTGGCGCCCGCCGAGGAGGAGTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100261 representing NP_040917
Red=Cloning sites Green=Tags

MALSIQDCARLTGQSVATIERFLPLRNIWNRAREFMRAATTAAGITWMSRYIYEYHRLMLEDLAPGAAAT
 LGWPLYREPPPHFLVGYQYLVRTCNDYVFSRAYSRLRYTETVQPGTQTVNWSVMTNCSYINAGAYHFR
 VDVFDFATLTLQIQQAVLAERVVADLALLQPLQGYGSTMADRGNREVEVERLMQDYKDLGRCQSDVWG
 MADRLRIQQAGPKDVLLKTIIRGLKTAIFYNYIISSIAQLPGTLEETKLSLPCDCDWLDAFLERFSDPVDM
 QTLSSLRGVPTQQIICKIISAVSLPNAPRNASFPILHETELRGGVFELRPRENGRAVTETMRRRRGEMIE
 RFVDRLPVRRRRRQPPPPVVEEIEVEEVEEQEIVPGAFQEQEVRETVAELIRLLEEELTVAARN SQFFN
 FAVDFYEAMERLEALGDINELTLRRWILYFFVSEHVATLNYLFQRLRNYGVFARLVELNLAQVVMRARD
 SEGGVVYSRVWNEIGLNAFSQLMSRISNDLAATIERAGHGDLQEEEIDQLMAEIA YQDNSGDVQEILRQA
 AVNDEIDSVLSFRFKTTGPVVFTRRRQIQDINRRVVAHASQLRAQHLPLPERQADIPLPPLPAGPEPP
 LPPGARPRRRF

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001460

ORF Size: 1923 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_001460.1](#), [NP_040917](#)

RefSeq ORF: 1923 bp

Locus ID: 1460849

MW: 73.5 kDa