

Product datasheet for **VC100312**

E2A (NC_011202) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2A (NC_011202) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E2A
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 VC100312 represents NCBI reference of YP_002213852 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGCCTCACGCGAAGGCAATCAGCTGTCTGACAGACATAGAGAACATACACCCGAACGGGGAAGGGCT
 CTGCATCACACCCACCCTCCAGGTCCGATAGGAGTCTAGCCAGTCTCCGCCCTTTGCCCCCAAACG
 CAATACATGTCGACGAGTAGGTAGTGGAAAGCTCCACTGATTCACAGCTGGTAATGGTGAGCGAAACATCA
 CAAAGTAGTCTGTCCCCTGAGAGGTCTGATAGCCCCCGCCCCGATCCCTCCTAAGAAGAAGCCGAGGA
 AGACCAAACATATCCCCATGCAAGATATATCCAGGATTCAGAAGAAGAGCGCGAGGAAGCTCAACTCGT
 GGCCGTCGGGTTCTCATACCCCCTGTGAGGATTGTGGAAAAGGACGGAAAAAGAAGCATAGAGAAGATC
 GCAAAAGATGACCCTTTGGCCAAGGGCGCCGCCGCTTGACCCGTGAAGAACCAATTAGCCTGCCTCTCG
 TTAGCGCTGGGAGAAAGGAATGGAAGTTATGTGCCTTCTGATGGAAAAGTACAGACTGGATAACGAGCT
 CAGGACCTCTTTAAGCTGATGCCCGAACACGGAACAGTACAAGCGGATTTGCCATCAGTATGTGAAT
 GAGGAGCATAGGGGAATACAGCTGACCTTTACTTCACATAAGACACTCTCTACCATGATGGGAAGTTCC
 TGCAGGGAATGATACACTCCTTTCTCAGATAGCTCATACAATTGGGAATGTACAGGGTGTGCCTTGTG
 GCCACACGGATGCAACGACTATGAGGGGAAGCTGAAATGCCTTACGGAAATATCATGATCCAAAAGGAG
 CAGATAATCGAAATGGACGTGGCTTCTGAGAACGGTCAAAGAGCCCTTAAGGAAAATCCCGAACGCACTA
 AAATTACCCAGAACCCTGGGGTAGATCAGTGGTGCAGATTGCAAATAACGATGCTCGCTGTTGCGTGAA
 CGACGCTGGCTGCGCCGAAACCAAGTTAGCTCACGCAGCTGTGGAATGTTCTACACGGAGGGCTCCAAG
 GCGCAACAGGCATTCAAGCAGTACGACGCCTTTCATGAGAGCCGTGATCCGGGTATTCGGCAGGACCAAG
 CCAAGATGATACTCATTCCCCTGCACTGTGACTGTAATCATAAGCCTAATTGGGTTCTGCCATGGGCCG
 GCAGACCTGCAAGATGACACCATTTCAGCATCGCAAACGCCGAAGATCTGGACGTGGGATGATCGCCGAC
 CCTACAGTTTTGGCTTCCGTCCGCCACCCAAGCCTCATGGTGTTCAGTGTGCAACCCAGTCTACAGAA
 ACTCCAGAGCTCAGTCCACTGGCCCAAATTGTGATTTTAAAGATTTCCGCCCCGACCTTCTGGGCGCCCT
 GCAGCTGACGAGAAAGTTGTGGTCAGACATCCTCCAGACATACCCGTTCCGAAGCTCGTTATACCCGAG
 TTTAAATGGCAACCAAGTACCAGTTAGAAATGTGAGCTCCCCGCCGGGCACAGTGATAGTCCGCAGA
 ATCCATTTGACCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100312 representing YP_002213852
 Red=Cloning sites Green=Tags

MASREGNQLSDRHREHTPERGRGSASHPPSRSDRSPSQSPPLPPKRNTCRRVSGSSTDSQLVMVSETS
 QSSLSPERSDSPPPPIPPKKKPRKTKHIPMQDISQDSEEEEREAQLVAVGFSYPPVRIVEKDGRSIEKI
 AKDDPLAKGAAACTVKNPISLPLVSAWEKGMEVMCLLMEKYRLDNELRFSFKLMPEQHEQYKRICHQYVN
 EEHRGIQLTFTSHKTLSTMGRFLQGMIIHSFSQIAHNNWECTGCALWPHGCNDYEGKCLKLHGNIMIQKE
 QIIEMDVASENGQRALKENPERTKITQNRWGRSVVQIANNDARCCVNDAGCAANQFSSRSCGMFYTEGSK
 AQQAFKQYDAFMRVYPGIRQDQAKMIL IPLHDCNHNKPNWVPAMGRQTCCKMTPFSIANAEDLDVGMIA
 DPTVLASVRHPSLMVFQCCNPVYRNSRAQSTGPNCDFKISAPDLLGALQLTRKLWSDILPDIPVPLVIPE
 FKWQPKYQFRNVSLPAGHSRSRQNPFDL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_011202

ORF Size: 1554 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_011202.1, YP_002213852](#)

RefSeq ORF: 1554 bp

Locus ID: 6870509

MW: 58.3 kDa