

## Product datasheet for **VC100345**

### **E2A (NC\_011203) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	E2A (NC_011203) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>The Viral ORF clone VC100345 represents NCBI reference of YP\_002213833 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTCCAGGGTGGAAATCAGAGCAGCGACCGGCACCGCAGCACACACCCGAGCGCGCATGTCCA  
 GTGCGAGCCATCCCCCTCCAGACCCGATAGATCACCTTCTCAAAGCCCCCACCCTCCCTCTAAACG  
 AAATACATACCGAAGGGTTGGGTCGGGTATCCACCGAATCCCAGGTCGTGCTCGTCTCCGAGACAAGC  
 CAGAGCAGCCTTTCACCCGAAAGGTCCAATAGCCCGCCCGATACCTCCAAAAAAGAAGCCCCGGAAGA  
 CTAAGCACGTGCCTTTCAGGACATTAGTCAAGACTCCGAAGAGGAACGGGAGCAGGCCAACTGGTGGC  
 AGTGGGCTTCAGTACCCTCCGTTAGAATTATCGAGAAGGATGGCAAGAGGAGCGTCGAGAAAAATTGAC  
 AAGAACGATCCCATAGCCAAGGGAGCGACATTTATAGCCGTGAGAAATCCACTGTCCTGCCACTCGTGT  
 CTGCTGGGAGAAAGGTATGGAGGTTATGGCCGTGCTGATGGAGCGATACAGACTGGACAATGACTTGAG  
 AACAAAGCTTAAAGCTCATGCCCGAACAGCAGCAGCAGTATAAACGCATCTGTACCAGTATGTGAACGAA  
 GAGCATCGGGGGATCCCCCTCACATTCACCAGCATGAAGACACTCACTACCATGATGGGGAGATTTATGC  
 AGGGGTTGGTGCATTACTACTCCGAGATCGCACACAACAATTGGGAATGTACAGGTTGTGCCCTTTGGGC  
 TCACGGATGTACAGACTATGAAGGGAAGGTCAAGTGTCTTACGGTACTATCATGATTCAGAAGGATCAC  
 ATCATAGAGATGGACGTTGCATCAGAAAACGGACAGAGGGCAATGAAAGAGAACCCGGACAGGGCCAAAA  
 TTACCCAAAACAGATGGGGCAGAAATGTGGTGCAGTTGGCTAATAACGACGCCGGTGTGTGTTAATGA  
 CGGCAACTGTACGACTAACAGTTCAGCTCTAAGTCTGTGGCATGTTCTATACAGAAGGTTCAAAGGCA  
 CAGGAGGCCTTCAAGCAGTATGAAGCCTTCATGAAGCCGTGTACCCCGGTATCACACCTGATCAGGCC  
 GAATGATGCTGATCCGATACATTGTGACTGCAACCACAAGCCGGTTCGCCCCCGTGTGGGGCCGACA  
 GACTTGCAAAAATGACACCTTTCGGCATGGCGAACGCCGAAGATTTGGATGTTACTACAATTAGCGATCCA  
 ACGGTGCTGGCTTCTGTCCGCCACCCAGCACTTATCGTCTTCCAGTGTGTAACCCAGTGTATCGGAACA  
 GTAGAGTGCAAAATGCAGGCCCTAACTGCGATTTCAAAATCTCTGCTCCTGATCTGCTGGGAGCCATGCA  
 GCTCACACGAAAGCTCTGGCAGGACACTTCCAGAAATCCCTGTTCCAAAACCTGTGATACCCGAATTC  
 AAGTGGCAGAATAGGCTCCAATTCAGGAATGTCAGCCTCCAGCAGGACACTCTGATAGCCGACAGAACC  
 CATTGATTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100345 representing YP\_002213833  
 Red=Cloning sites Green=Tags

MASRGGNQSSDRHREHTPERGMSASHPPRPDRSPSQSPPLPPKRNTYRRVGSSTESQVVLVSETS  
 QSSLSPERSNSPPPIPPKKKPRKTKHVPLQDISQDSEEREQAQLVAVGFSYPPVRIIEKDKRSVEKID  
 KNDPIAKGATFIAVRNPLSLPLVSAWEKGMEVMAVLMERYRLDNDLRTSFKLMPEQHEQYKRICHQYVNE  
 EHRGIPLFTSMKLTMMGRFMQGLVHYHSEIAHNNWECTGCALWAHGCTDYEGKVKCLHGTIMI QKDH  
 IEMDVAENQGRAMKENPDRAKITQNRWGRNVVQLANNDARCCVNDANCTTNQFSSKSCGMFYTEGSKA  
 QEAFKQYEA FMKAVYPGITPDQARMMLIPIHDCNHKPGCAPVMGRQTCMKTPFGMANAEDLDVTTISDP  
 TVLASVRHPALIVFQCCNPVYRNSRVQNA GPNCDFKISAPDLLGAMQLTRKLWQDTFPEIPVPKLVIPEF  
 KWQNRQLFRNVSLPAGHSDSRQNPFD

**TRTRRLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_011203

**ORF Size:** 1551 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\\_011203.1, YP\\_002213833](#)

**RefSeq ORF:** 1551 bp

**Locus ID:** 6870526

**MW:** 58.3 kDa