

Product datasheet for **VC100441**

E2A (NC_010956) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2A (NC_010956) 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 VC100441 represents NCBI reference of YP_001974427 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGGTGGCTCACAGGACGTCCGCAGGTTTATGGAGCGGGAGGCAACCCCTCTCGAGGCCACGGAT
 CAGCTCGCTATCCTCCAGAACAGGAGCGCAGTCCAGTCCGCCCCCTCCACTCCCCACTAAACGAAAGGAA
 GTACCAGCGGGTCGGAAGTGGCTCCAGCGAAGAGGATGTGGTCCCGGTGGACTCTCCACCTAAAAA
 CAGGCTAGAAAACTAAGCACGTCACTAAAGTCGATCCTGACGAAGAGATGCCCCAGGAAGACGCTGTGA
 TTGTGGGGTTCGGGTTCACTCAACCCCGGTCTCTCTGAAGGAAGGTAAGGACGGTAAGAGGATAGTTGA
 ACCTGCCACCCCTGGAATCCTCAACGTGCGCAATCCTCTGAGTCTGCCCTTGTGAGCTCATGGGAAAAG
 GGAATGGATACCATGAACGTGCTTATGGAGCGCTATCGCGTCGATTCCGGCCTCAGAGACGCATATAAT
 TGATGCCAGAACAGACCGAAATCTTTCAAAGATGTGCCAAACATGGATGAACGAGGAAGCTAGAGGGCT
 GCAATTGACTTTTTCCACCTCCAAAAGTTTTCCACCGTCATGGGGCGCCTGCTGCAGGGCTACATCTTT
 TCCCACTCTGGGATTGCCATAAGAAGTGGGAGTGTACAGGGTGCCTCTCTGGGACCATGGATGTACTG
 AGGTTGAAGGCCAGTTGAAATGTCTTATGGAACGGTTATGATCCATAAAGATCATGTTGTGGAGATGGA
 CGTGACTTCAGAGAACGGACAAGAGCCCTCAAAGAGCAGCAAGTAAAGCCAAAGTAACTCAGAATCGA
 TGGGGCGGAGCGTGGTACAGCTCACTTCCCATGACGCCCGATGTTGTGTGCATGACGCTGGCTGTGGGA
 ACAACCAAGTTAGCGCAAGTCTGCGGCTTGTCTTTCTGAAGGGGCAAGGCTCAGCAGGCCTTCAA
 GCAGATCTCTGCATTTGTTAAGGCCCTGTACCAAATATGCAGAGAGGGGAGGGATGATGCTCATGCCA
 GTGCATTGCGAATGTAATCACAAACCCAAAGCGTGCCCTTCTCGGACGCCAACTTGAAGATGACTC
 CCTTCGGTCTTAGCAACGCAGAAGACTTGGATAAAGATCAGATCAGCGACAAGAGCGTGTCTGGCCTGT
 TAAATACCATCCTGATGGTGTCCAATGCTGTAAACCAAGTCTACCGAAATAGCCGGGCGCAGTCAACC
 GGTCTAACTGTGACTTCAAGATATCCGCCCTGATATCCTGGGCGCACTTCAAGTGTCTAGGCGGATGT
 GGTGAGACCTTTCCGAAACCCCGTCCCAAAGCTTGTGATCCAGAGTTAAGTGGCAGCCGAAATT
 TCAGTACCGGAATGTGGCCCTCCATCCGCTGCACATAACGATGAAAGGGAGAATCTTTTGACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100441 representing YP_001974427
 Red=Cloning sites Green=Tags

MAGGSQDVRRFMEREATPPRGHGSARYPPEQERSPPPPPLPKRRKYQRVGSGSSEEDVVPVDSPPKKK
 QARKTKHVTKVDPDEEMPQEDAVIVGVGFSQPPVLLKEGKDGKRIVEPATPGILNVRNPLSLPLVSSWEK
 GMDTMNVLMEYRVDSGLRDAYKLMPEQTEIFQKMCQTMWNEEARGLQLTFSTKSFSTVMGRLLQGYIF
 SHSGIAHKNWECTGCALWDHGCTEVEGQLKCLHGTVMIHKDHVEMDVTSENGQRALKEQPSKAKVTQNR
 WGRSVVQLTSHDARCCVHDAGCGNQNFSKSCGLFFSEGAKAQAFKQISAFVKALYPNMQRGAGMMLMP
 VHCECNHQPQSVPFGRQLCKMTPFGLSNAEDLDKQISDKSVLASVKYPSLMVFQCCNPVYRNSRAQST
 GPNCDFKISAPDILGALQMSRRMWSAFPETPVPKLVIPEFKWQPKFYRNVALPSAAHNDERENPFDF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_010956

ORF Size: 1467 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_010956.1](#), [YP_001974427](#)

RefSeq ORF: 1467 bp

Locus ID: 6386281

MW: 54.8 kDa