

Product datasheet for **VC100367**

E1A (NC_001405) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1A (NC_001405) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100367 represents NCBI reference of NP_040507 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCACATCATTTGTCACGGCGGAGTGATAACAGAGGAAATGGCAGCTTCACCTCTGGACCACTCA
TTGAAGAAGTTCTGGCCGACAATCTTCCACCCCCAGCCATTTGAGCCACCAACACTTCATGAGTTGTA
TGATCTCGACGTGACAGCTCCTGAAGATCCCAACGAGGAAGCCGTGCCAGATATTTCTGAGAGCGTC
ATGCTTGGCGTGCAGGAAGGTATAGACCTTTTACCTTTCTCCGGCTCCTGGGAGTCCCGAACCCCCC
ATCTTAGCCGCCAGCCAGAGCAGCCTGAACAGCGCGCTTTGGGACCGGTAAGTATGCCCAATCTGGTGCC
AGAGGTAATTGATCTCACATGCCATGAAGCAGGCTTCCCCCAAGTGACGATGAGGACGAAGAAGGTGAA
GAGTTTGTCTGGATTATGTGGAGCATCCAGGCCACGGGTGCAGAAGCTGCCACTATCATAGACGGAATA
CCGGCGATCCCGATATTATGTGCTCTCTGCTATATGCGAACCTGTGGGATGTTCTGTACTCACCTGT
CAGCGAGCCTGAACCCGAGCCGGAACCTGAGCCCCAACCCGCCAGGCCAACCCGCCGCAAAAGCTCGTC
CCAGCTATTCTCCGGAGGCCACATCTCCTGTAAGCCGCGAGTGAACAGCAGCACTGACTCTTGGCAGT
CAGGCCAAAGCAATACCCTCCAGAGATTCACCCTGTCGTCCCCTGTGCCCCATTAAGCCAGTGGCTGT
AAGAGTCGGCGGGCGCCGAGCCGCTGGAGTGTATAGAAGACCTGCTCAACGAATCCGGCCAGCCACTG
GATCTTTCTTGAAGAGGCCCGCCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100367 representing NP_040507
 Red=Cloning sites Green=Tags

MRHIICHGGVITEEMAASLLDQLIEEVLADNLPPPSHFEPPTLHELVDLDTAPEDPNEEAVSQIFPESV
 MLAVQEGIDLFTFPPAPGSPEPPHLSRQPEQEQRALGPVSMPLVPEVIDLTCHEAGFPSSDDEDEEGE
 EFVLDYVEHPGHGCRSCHYHRRNTGDPDIMCSLCYMRTCGMFVYSPVSEPEPEPEPEPARPTRRPKLV
 PAILRRPTSPVSRECNSTSDSCSGPSNTTPEIHPVVPLCPKIPVAVRVGGRRQAVECIEDLLNESGQPL
 DLSCKRPRP

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001405

ORF Size: 867 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_001405.1, NP_040507
RefSeq ORF: 867 bp
Locus ID: 2652980
MW: 31.9 kDa