

Product datasheet for **VC101791**

E1 protein (NC_013035) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 protein (NC_013035) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E1 protein
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 VC101791 represents NCBI reference of YP_003084348 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGACGCTTCAAAAGGTATAGATTCCGTCGACGATTCATCATGGTTTATAGTGAACGAGGCGGACT
 GTATGGACGATATAGAAACCCTGGACACCCTCTTTGATGAGAGTGACTGCGACTCCACAGTTTCCAACCT
 TATTGACGACGAGAACTTTCAAGAACAAGGCAACTCTCTCGCCCTGTTCAACATTCAGTGCGCCGAGGAG
 TGCGACAAAACGGTAAGCCTCTTGAAGAGAAAATATGCCAGTCCCACAGGGCTCCAGCGTGGCTGAAC
 TCAGTCCGAGACTGGAGGCCGTGAAGATTTCCCGAGAAAAGAACGCCAATCAAAAAGGCGGCTGTTCCA
 GGACAGCGGACTGGGAGAGGACGAGGCCGAGCTGATCTCCGAGCAGGTTGAGGTTAGACTAACGAGAAT
 GGTGGGGATACCTTGTCTGCAGCATGTAAACAGCATTCTGAATAGCAAATGAAGAGGTTCTCTCTGTTTG
 TGAAATGTGAGACATTGTTCCGGCTCAGTTATAATGAGCTTACAAGACAGTTTAAATCCCACAAGAGCTG
 CTGCGAAAACCTGGATTGCTTCTGCTATGCTGCGGGAACGAAGTCTCGAGAGTTCCAAGGTGCTGCTG
 CAACAGCATTGCGAGAATTTTCAGTGATTTTGTGTGATTTTCCGGGCTGTACGTTCTGCAATTAAGC
 ACGGCAAAAATAGAGAACTGTGGAAAGACTGTTTTGCAATATACTTTCATGTGACAGATTCACACTTGCT
 GTCCGATCCCCCGGAGCCGAGTGTCCCTGCGGCTCTGTTCTTTTTAAGCGAAGCGTGAGCAAGACC
 AGTTATGTCTACAATAACTTGCCTGCTTGGGTCAAAAGCTCACGAGTTAACCACCAAGTGGCCACAC
 AGCCTGAAGCATTGAGCTCTCTAAAATGATCCAGTGGCGTATGATAACAGGATGACTGAGGAGGCCGA
 GATCGCTACGGCTACGCACTGCTCGCAGACGAGGACACTAACGCCGCCCTTCTTGAAAAGCAACGTA
 CAGCTGAAATATGTGCGGACTGCTGCACCATGGTCAAGCTCTACTTTAGACAGGAAATGCGGGAGATGA
 GCATTAGCCAGTGGATTTGGAAAATGTTGCAATGACTGCGAGGGCGAGGCCGACTGGAAGCTCATTCTGAA
 TTTCTTGAAATTTCAAAACATTAACGTGATTCAATTCCTGACCTGCCTGAGAACACTCTGAAAACGCATT
 CCAAAGAAGAACTGTATTTGTTTTACGGTCTCCAGATACCGGCAAATCTTTTTTCGCCTACAGCCTGG
 TGAAGTTCCTGCAGGGGAAAATCTGAGCTTTGTCAACAAGACCAGCAATTTTTGGCTTCAGCCTCTGCT
 GGATTGCAAGTTCGCTCTCCTTGACGACGTGACTTACCCCTGTTGGCAATACATTGACCAAAAATATGCGC
 GCGCCCTCGACGGCAATACAATGTGCGTTGATGCTAAACACAGAGTGCCTCAACAGATTAAGTTGCCCC
 CACTCATTTTACCTCCAACATTGATGTGGTGAAGAAGAGGCCTTCAGTACCTGCATTCTCGACTCAT
 GTGTTTGAATTTGCTAACAAGTTGCCTTTGATACCCACGGCATTCCCCTCTACAATTTCAAAAACAG
 GTTTGGAAGTGCCTTTTCCAGAAGCTGTCTCGCCAACCTGACCTGGAGGAGGAAAATATACAACATGAAT
 CAATAAGGTCAGACCGAACATTTGATGTATCGCCAATTCACCCGATGAGCATCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101791 representing YP_003084348
 Red=Cloning sites Green=Tags

MADASKGIDSVDSSWFIVNEADCMDDIETLDTLFDSEDCDSTVSNLIDDENFQEQGNLALFNIQCAEE
 CDKTVSLLKRKYAQSPQGSVAELSPRLEAVKISPEKERQSKRRLFQDSGLGEDEAELISEQVEVQTNEN
 GGDTLAACNSILNSKCKRSLLFVKCETLFGVSYNELTRQFKSHKSCCENWIVFVYAAGTEVLESSKVL
 QQHCENFQVILCDFSGLYVLQFKHGKNETVERLFCNIIHVTDHLLSDPPRSRSPVAALFFFKRSVSKT
 SYVYNNLPAAWTKLTQFNHQVATQPEAFELSKMIQWAYDNRMTEAEIAYGYALLADEDTNAAAFKLSNV
 QLKYYVRCCTMVKLYFRQEMREMSISQWIWKCCNDCEGEADWKLILNFKFQININVIQFLTCLRTLCKRI
 PKKNCILFYGPPDTGKSFAYSLVKFLQKILSFVNKTSNFWLQPLLDCKFALLDDVTPCWQYIDQNM
 GALDGNMTCVDKHRVPPQIKLPLILTSNIDVKEESLQYLHSRLMCFEFANKLPFDTHGIPVYNFTNQ
 VWKCFQKLSRQLDLEENIQHESIRSDFRCIANSPDEHL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_013035

ORF Size: 1806 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_013035.1, YP_003084348](#)

RefSeq ORF: 1806 bp

Locus ID: 8223419

MW: 69.2 kDa