

## Product datasheet for VC101792

### E2 protein (NC\_013035) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	E2 protein (NC_013035) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E2 protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101792 represents NCBI reference of YP_003084349 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACCAGAGCGACCTTACAGAGAGACTCGATGCTCTTCAGACTGCTCTTATGAACATTTACGAAGAGG  
CCCCTACCGATCTGCCATCACAAATTAGGCACTTCGACCTCCTGAGGAAGCAGAGCGTCCTGGAATACTA  
CGTCCGGAAGGAAGGCTATACACAACCTCGGACTGTATCACATCCCAACGCTCAAGGTTAGTGAGTATCAT  
GCAAAGGAGGCCATTAAGATGGGTATTGTTCTGAGAAGCCTGCAGAAGAGTCCCTATGCAGACGAAGAGT  
GGTCTTTGCAGGATGTTAACGCTGATTTCTTTAATAGTCCACCACGCAATTGTTTTAAAAAAGGAGGTTA  
CGATGTAGAGGTTTGGTTCGATCACAATCCCCTGAACACCTTCCCCTACACTAATTGGACTTGGATTAC  
TATCAGGATGACGAAGAGAATTGGCATAAGGTGCAGGGCGAAACCGACTATAATGGGCTTTTTTATAGAG  
AGACGGATGGCACCGTTGTACTTCTGCTCTTTGAGTCTGATGCAGCAAGATACGGCACTAAAAATGA  
GTGGACCGTAAATGTTAAAAACGAACAGATTAGTCTCCCTGCCAATTCTAACGGCAGGAGGTCTAGTAGC  
GGTACACCGACACACTCCACGACTAACAGCGTTGCTGAGCCTGGACCTAGCAGGTCCACAGAGGAGGCCG  
ATGGACGACGCACACCTCAAGCGCAGACCCAATCAGTAGGCGCATCCAAGAAGCCTTCATCCGTCGGCCC  
ACGCAGAAGGCGAAGCAAGCAAGCAAACTCCTAGCAAACGCCCGGACTGGTGGAGGCTCTGGTGAT  
GAAGCAGACTCCGGAGGGATTTCTGAGAAGAAGTGGGATCTTCACATCGATCCGTGGCAAGATCCGGAC  
TGAGCCGACTGGAAGACTCCAGAAAGAGGCCCGGACCCCTACATCATCTCTGGTTAGAGGGCCACAGAA  
TACCCTCAAGTGTGGCGCTATCGCATTCAAATAAGGCAAATTTCCATTCTGTACATTAGCACTGTG  
TGGAAAGTGGGTCATAAGGATGCTGTGGGACACGAGGGTGCAGTACTTATGCCTCTTGAGCAAGGAGT  
CCAGAGACCTTTTCGCCAATTCGGTCACTTTCCCAAGAACACTACCCACAGTTATGGATCTCTCGATGC  
ACTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >VC101792 representing YP\_003084349  
Red=Cloning sites Green=Tags

MNQSDLTERLDALQTALMNIYEEAPTDLPSQIRHFDLLRKQSVLEYYVRKEGYTQLGLYHIPTLVSEYH  
 AKEAIKMGIVLRSLQKSPYADEEWSLQDVNADFFNSPPRNCFKKGGYDVEVWFDHNPLNTFPYTNWTWIY  
 YQDDEENWHKVKVQGETDYNGLFYRETDGTVVYFLLFESDAARYGTKNEWTNVNKNEQISLPANSNGRRSS  
 GTPTHSTTNSVAEPGPSRSTEEADGRRTTPQAQTQSVGASKKPSVGRRRRKRQKQTPSKRRRTGGGSGD  
 EADSGGISAEVGS SHRSVARSGLSRLERLQKEARDPYIILVRGPQNTLKCWRYRIQTKANFPFLYISTV  
 WKWVTKDAVGHEGRVLI AFLSKESRDLFANSVHF PKNTTHSYGSLDAL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_013035

**ORF Size:** 1194 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\\_003084349](#)

**RefSeq ORF:** 1194 bp

**Locus ID:** 8223420

**MW:** 45.4 kDa