

## Product datasheet for **VC101827**

### **E1 (NC\_001694) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	E1 (NC_001694) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E1
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 VC101827 represents NCBI reference of NP\_043446 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGATAGCGAAGGAACAGAGAGTGGCGACGGGACTGAGGCTGCCGAGAGGGCCGGGGTTGGTTCC  
TGGTGGAGGCCGTTGTAGACAGAACGACCGGTATCAGGTCAGCTCTGATGAGGAGGACAATTCTATTGA  
CACCGGGGAGGATCTCGTGGACTTTATCGACACTCGGAGACCTGGAGATGGACAGGAAGTCCCCCTGGCA  
CTGTTTGTCCAGCAGAATGCCAGGACGATGCAGCTACCGTCCAAGCCCTGAAAAGGAAGTATACATGTT  
CCCCTGCTCAAGTACATGCGTATCCCTGGTTCGATTCCGAAGTGTCCCCCGGCTGGACGCAATACGCAT  
ACATCGGGGCCAAGATAGGGCAAGACGCCGGCTGTTTGAACAGGATAGCGGCTACGGCCACTCAGGTG  
GAGATCGGGGCCCAGAAAGCCAGGTGCCGGGAGATGCTCAGCATGAGGGCGCGGTGAGTCTGTGCAGG  
AGGCGGAGGAGGAGAGGAGGAGGTGACGGGGAGGCCGAGGCTACTGAAAACCAGGAGACTCAGGCTCA  
GGAGCAGGCTGCAGATATACTGGAGTTTTCAAGGTGAGTAACCTGAAGGCTAAACTGTTGTATAAGTTC  
AAAGACCTGTTCCGACTTGCCTTTGGCGAACTGGTGCAGAAATTTCAAGTCTGACAAATCTATTTGCGGAG  
ACTGGGTTATTTGCGCTTTTGGAGTTTACCACGCTGTTGCAGAGGCTGTGAAGACCTTGATTCAACCAAT  
CTGTGTATACGCACATATCCAGATACAGACCTGTCAAGTGGGCGATGGTGTCTCATGTTGGTGAGGTAC  
AAGTGTGGAAGAGCCGGGAAACCGTGGCACATTTCTATGGGCAAACCTGTGAACATACCTGAAAGACAGA  
TGTTGATCGAACCCCAAAAATACGGTCAGCCCCCTGCGCCTTGTACTGGTACCGCACCGCTATGGGCAA  
TGCCAGCGAAGTGTACGGAGAAAACACAGAGTGGATTGTACGCCAGACCGTGGTTGGCCACGCCATGCAG  
GAGGCGCAGTTTTCTTTGTCCATGCTCGTTCAATGGGCTATGATAATGATATTACTGACGAAAGCGTTC  
TGGCCTACGAGTACGCTCTCCTGGGAATGAAGACCCAAACGCAGCCGCTTTCCTCGCGTCAAATTTGTCA  
GGCCAAATACATTAAGGATGCAATCACGATGTGAAGCACTATCGGCGCGCAGAACAAGCGAAAATGACA  
ATGGCCCAGTGGATCACACATCGCGGGAGAAAAGTTGCTGACACGGGGGATTGGAAGGCCATAGTGAAGT  
ATCTTAGATACCAACAGGTGGAGTTTGTGCCTTTCATCAGTGCAGTCAAAGTCTGTTTCTGAAAGCGTGC  
AAAGAAATCATGTATGGTGTCTATGGACCATCAGACCCGAAAGTCTCTGTTTTGCATGAGTCTCCTT  
AATTTCTTGGTGGAGCCGTGATATCTTACGTCAATAGCTCCTCCATTTCTGGCTCAGCCATTGGCCG  
ACACCAAGGTGGGCTTGTGGACGATGCAACTACCAGTGTGGCAGTATATTGATACCTATCTTCGCAC  
GGTGTGACGGAAACGCCATCTCTATAGATCGGAAACATCGCAACCTGACTCAGCTCAAGTGCCTCCG  
TTGATGATAACCACAAATATAAATCCTTTGGAAGACCCCACTTTCAAGTACTTGCACAGTCGGATCGTAG  
TCTTCAAATCCTGCATAAGTGTCCCCTGAACTCCAACGGAGACCCAGTATACACTTAATAACGAAAA  
CTGAAATCATTTTTAGAAAGTCTGGGCCAGGATCGAGGGATCCGATCAGCAGGAGGAAGAAGAGGAA  
GAGGACGAGGACGGTGTACCTCAAGGCCTTCCGCTGCGTCCCTGGTGGATCACTCGACCTCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101827 representing NP\_043446  
Red=Cloning sites Green=Tags

MADSEGTESGDGTEAAERAGGWFLVEAVDRTTGYQVSSDEEDNSIDTGEDLVDFIDTRRPGDGQEVPLA  
 LFVQNAQDDAATVQALKRKYTCSPASSTCVSLVDSLESPRLDAIRIHRGQDRARRRLEQDSGYGHTQV  
 EIGASESQVPGDAQHEGGGESVQEAEEERGGGDGEAEATGNQETQAQEQAADILEVFKVSNLKAKLLYKF  
 KDLFGLAFGELVRNFKSDKSICGDWVICAFGVYHAVAFAVKTLIQPICVYAHIQIQTCCQWGMVILMLVRY  
 KCGKSRETVAHSMGKLLNIPERQMLIEPPKIRSAPCALYWYRTAMGNASEVYGETPEWIVRQTVVGHAMQ  
 EAQFSLMLVQWAYDNDITDESVLAYEYALLGNEDPNAAFASNCQAKYIKDAITMCKHYRRAEQAKMT  
 MAQWITHRGRKVADTDGDKAIVKYLRYQQVEFPFISALKLFLKGVPKKSCMVFGPSDTGKSLFCMSLL  
 NFLGGAVISYVNSSSHFWLSPLADTKVGLLDDATYQCWQYIDTYLRTVLDGNAISIDRKHRLTLQKCPP  
 LMITTNINPLEDPTFKYLHSRIVVFQFLHKCPLNSNGDPVYTLNENWKSFFRRSWARIEGSDQEQEEEE  
 EDEDGVTSRPFRCPGEITRPL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001694

**ORF Size:** 1956 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\\_001694.1](#), [NP\\_043446](#)

**RefSeq ORF:** 1956 bp

**Locus ID:** 1403314

**MW:** 73.1 kDa