

## Product datasheet for **VC101864**

### **E1 (NC\_014953) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	E1 (NC_014953) 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 VC101864 represents NCBI reference of YP\_004169272 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGACAACCCTAAGGGTATCAAAGATAAGACGGAGTGCTTTGTTGAGTTTGAAGCAGAGTGTGTAG  
 ACGCTACTAACACACTTGTATGAGCTGTTTGACGGCTCTACAGATGACGGATCTGATATCTCCAACCTGAT  
 CGATGACTCAGTGGTGGAGCAAGGTAACCTCCGGCCCTTTTCAATGTGCACGTGACCGAAGAATGCGAC  
 AAGGCAGCAAGCGTTTTGAAACGGAAATATGCCAAGAGCCCCAAAGGTCCATCAGTAGCTGACATATCTC  
 CACGCCTCGAAGCCATCTGTATCAGCCCTGAGAAAAGAGACTGTCAAAAAGGAGACTGCTCTTCGAGGA  
 CTCAGGCATCGTGGAGGATGAAGCTGAGAACATAATGTCCAGGTAGATACAGGAAGACGAGAATGGT  
 GCGGCACTCGCGTGGCAGAGGCCATCCCTAATATTATAAAGAACTTGTAAATCAAATGCAAGAGGA  
 GTTACCTTCTGAACAAATTCGAAAACATGTTTCGGCATCCCTTACACGGAGCTTGTACGCCACTTTAAGAG  
 TAATAAGACATGTTGTGACAACCTGGGTGGTGTACGCCTTCGCGCTGAACGAAGAAGTTTTGCAGTCCAGT  
 AAAATTCTCTGCAACAGCACTGCGAGTGTATGCAAAATCGTGTGCAACCACTTCTGTGGCCTGTTTCTGC  
 TTCAGTTTAAACATGCTAAGAGTCGGGAGACTGTCGGCAACCTTTTCTGCAATACCTGAATGTCAAAGGA  
 ATGCCAGCTGCTGTGACCCCTCAAAGAGTCGGTCTGTGCCTGCTGCTGTATTTCTACAAGAAAAGAA  
 CATAACAGACATCATTGTGTACAACAAGCTCCCATCTTGGGTGACCCAATTGACCCTCATCAGTCACC  
 AGACTGCTGCCAGCCAGAGAACCTTTGAGCTGTCTAAAATGATCCAATGGGCGTATGACAACAAGAAGGT  
 CGAAGAGAGCGAAATGCCTACGGGTACGCCAGCATCGCCGATGAGGACTCCAACGCCCGCCCTTTCTG  
 AAATCAAATGCCAGATGAAATACGTGAGACTGACAGCAATATGGTGGGTTGTACCTGCGCCAGGAGA  
 TCGGGGACATGCTGTGTCAGTCAGTGGATTGGAAGTGTGTAACGACTGTGAAACAGAAGGGGACTGGAA  
 GGTGCGTAATAACTTCTTAAGTATCAGCAAGTAAATATTCTGAGCTTTCTTAGCACACTTCGATTGTTT  
 TTTAAGAGCATCCCTAAAAAGAATTGTCTCGTCATATACGGCCCTCCTGACACAGGCAAAAAGTTACTTTT  
 GCTACTCCCTCATATCATTTTTTAAAGGTAATAATATCAGTTATATGAACCGCTCTTCAACATTTTGGTT  
 GCAGCCACTTATTGATTGAAGTTCGGACTGTTGGACGACGCTACACATGCATGCTGGCGGTACATCGAC  
 GAAAACATGCGGAACGTGCTGGATGGGAACGTAATGTGTGCGGACGCCAAGCATAGAGCGCCCAACAGC  
 TTCACTTGCTCCGCTGATCGTGACTACGAACGTTGATGCTCCTGGAGGACATATCATTGAAATACCTGCA  
 TTCACGAATAACTGCATTAAGTTCGCTCAGAAGATGCTGTTTCGACGACAATGGCGATCCTTTTTACAAG  
 TTCACTAATGCAGTCTGGAAGAGCTTCTTAAGCGCTTGTGGAAGCAGCTGGATCTCGAAGAAGAAGAAA  
 ACGAGCCACAGGGTCCGACAGAATGTTAGATGCACTGCCGAATGTCCTGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101864 representing YP\_004169272  
 Red=Cloning sites Green=Tags

MADNPKGIKDKTECFVEFEAECDVATNTLDELFDGSTDDGSDISNLIDDSVVEQGNLALFNHVHTEECD  
 KAASVLRKYAKSPKGPVADISPRLEAICISPEKERLSKRRLLFEDSGIVEDEAENHNQVDTQEDENG  
 GDTRVAEAIIPNI IKNLFKSNCKRSYLLNKFENMFIPYTELVRFHFKSNKCCDNVWVYAFVNEEVLQSS  
 KILLQQHCECMQIVLQPFQGLFLLQFKHAKSRETVGNLFCNTLNVKECQLLCDPPKRSRVPAAALFYKKE  
 HTETSFVYNKLPVSWTQLTLISHQTAAPENFELSKMIQWAYDNKVEESEAAYGYASIADEDSNAAAF  
 KSNQKQMYVDRDCSNMVRLLYLRQEMRDMVSQWIWKCCNDCETEGDWKVVNNFLKYQQVNILSFLSTLRL  
 FKSIPKKNCLVIYGPDPDGKSYFCYSLISFFKGIISYMNRSSTFWLQPLIDCKFGLDDATHACWRYID  
 ENMRNVLDGNVMCADAKHRAPQQLHLPPLIVTTNVDVLEDISLKYLSRITCIKFAQKMLFDDNGDPFYK  
 FTNAVWKSFFKRLWKQLDLEEEENEPTGSDRMFRCTAECP

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NC\_014953

**ORF Size:** 1803 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\\_014953.1, YP\\_004169272](#)
**RefSeq ORF:** 1803 bp

**Locus ID:** 10146733

**MW:** 69.1 kDa