

## Product datasheet for **VC102030**

### **E1 (NC\_004500) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	E1 (NC_004500) 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 VC102030 represents NCBI reference of NP\_775307 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCAGACAAAGGGATTGATCCCAAGGAGGGTTGCTCAACTTGGTGTGGTATCGAAGCTGACTGCTCCG  
 ATGTTGACGGCGATTTTCGAAAAGCTGTTTCGATAAGGACTGACTCCGATATTTCTGATCTGCTCGACGA  
 CGGAGATTTGGGTGATGCTGAACTCGGAAACCCTCAGGAAGTCTGTCTTCAAGAGAGAGAAGAATCA  
 GATCTCCAACCTCAGCAGCTTAAGAGGAAGTACTTTTCTCCTAAAGCAGTACTCCAGCTTTCCACAGT  
 TGGAGTCCATCACGATATCACCACAGCGCAAGTCAAAAAGACGACTCTTTGAAGAACAGGACAGCGGCT  
 CGAGCTCTCTTTGACACATGAAGCTGAGGACAGCGTTGCAGAGGTCGAGGTACCCGGTAGTAAAGACGAC  
 GTGCCAGAACTGTGTCAGCCACGGCAGAGACTAAGGGGAGTCAGAACAAGGAACACTACAAGCAGCTCC  
 TTCAATGCAGTAACGCAAGAGCTACACTGCTCTCAAAGTTCAAGGCAGCCTTCGGAGTCAGCTTCACCGA  
 GTTGACACGACGCTATAAGAGCGACAACACTGCTGCAGAGATTGGGCGATCATAGTGTATGGCCTCCAA  
 GACGAGATTATTGAGGGATCTAAGCATCTCTTTCAGCAACACTGCGAGTATATTTGGCTTACGTA  
 CTCCCATCAGCCTGTATCTCTCTGCTTCAAGCAGGTAATCTCGCAACACAGTGAAAAATTTGTTGAT  
 GTCAATTTTGAATGTTGGCGACGCCAGCTCATCGCCGACCCGCCTCAGATCAGATCAGTGGTCCGCCG  
 CTGTTCTGGTACAAGGAATCTATGAACAAGAAGCTGTATACCCACGGGGAGTATCCCGAATGGATCGCCA  
 ACCAGACCCTGCTGTCCCATCAAGAGTACGAAACCAACAATTTGACCTTTCACGAATGATTCAGTGGGC  
 ATACGCAATGAGTACACTGAGGATCCGACATTGCTTATCATTACGCCAAATGGCAGACGAGGACAGT  
 AATGCCCGCGCTTCTTGGCCATAACAGCCAGGCCAAATTCGTCGAGAATGCGGACAAATGGTGA  
 ATTACAAACGCGCGAAAATGAAGAATATGAGTATGAGCGCTTGGATATACACGCGGCTGAAATCAATAGA  
 AGGACCAGGGCACTGGTCTGATATTGTGAAGTTTATCCGCTTTCAGCAGATTAATTTTATTATGTTTCTG  
 GATGTCTTCAAACAGTTCTTGGCCTCCGTTCCCAAGAGGAATTGCCTCCTTATCTACGGGCACCCGATT  
 GTGGGAAATCCATGTTTTGCATGTCCCTGATTAAGCTCTGAAGGGCAAGGTGATTTTATTGTTAACGC  
 CCGGTCACAGTTTTGGTGTCCCCCTGGTTGAAAGCAAATCGCATTGCTGGATGACGCGACAGAATGC  
 TGTTGGAATTATATAGATAACTACCTGCGGAACGGAATTGATGGAATATGGTTAGCGTCGATTGTAAGC  
 AAAAAACCCCGTCAAATTAGATTTCCCCCTGCTGATAACTCAAACAATAATAATGTCAGATCC  
 AAAATACAAGTATCTGCACAGCCGATCAAGGCATTGCAATTGCGAATAAGTTTCTTTAAGGATGAC  
 GGCAGCCCTGTTTGGCTGACCGACAGTCTGGAAGAGCTTTTTCCAGCGGCTTTGGCGGCAGTTGG  
 ATCTTAGCGATCAGGAGGACGAAGGCGAGGATGGCGGCAGTCAGCGCCCTTTCAGTGTACCGCCAGACA  
 GGTCAATGACAACCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102030 representing NP\_775307  
 Red=Cloning sites Green=Tags

MADKGI DPKEGCSTWCLIEADCSVDVGD FEFK LFDKDTSDISDLLDDGDLGDAELGNPQELLCLQEREES  
 DLQLQQLKRKYFSPKAVLQLSPQLESITIS PQRSKRRLFEEQDSGLELSLTHEAEDSVAEVEVPGSKDD  
 VPETVSATAETKGSQNK EHYKQLLQCSNARATLLSKFKAAGVVSFTELTRRYKSDNTCCRDWAIIVYGLQ  
 DEIEGSKHLFQQHCEYIWLHVLSPISLYLLCFKTKGSRNTVKNLLMSILNVGDAQLIADPPQIRSVVAA  
 LFWYKESMNKNVYTHGEYPEWIANQTLTSHQEYETQQFDLSRMIQWAYDNEYTEDSDIAYHYAKLADEDS  
 NARAF LAHNSQAKFVRECGQMVRYHYKRGEMKNMSMSAWIYTRLKSI EGPGHWSDIVKFI RFQQINFIMFL  
 DVFKQFLASVPKRNCLLIYGAPDCGKSMFCMSLIKALKGKVISFVNARSQFWLSPLVESKIALLDDATEC  
 CWNYIDNYLRNGIDGNMVSVDCKHKNPVQIRFPPLLITSNNNIMSDPKYKYLHSRIKAFEFV NKF PFKDD  
 GSPLFELTDQSWKSFFQRLWRQLDLSQDEDEGGGSRPFQCTARQVNDNL

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC\_004500

ORF Size: 1836 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\\_004500.1](#), [NP\\_775307](#)

RefSeq ORF: 1836 bp

Locus ID: 956300

MW: 70.3 kDa