

## Product datasheet for **VC101878**

### **E1 (NC\_014955) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	E1 (NC_014955) 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 VC101878 represents NCBI reference of YP\_004169286 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGAGATCCTACCAAAGGCACCCCTTGGTAACCTGAAGGACTGGTGTTCATCACAGAGCCGAATGCG  
 TAGACTCTATGGACACACTCTCTGAGCTGTTTACGCTGACACGGACGCTAGCAACGTGAGTAACCTGAT  
 CGATGACCTGGACACTGTGGATGAGGTAATTCACCTTGCCTCTTCAACGAGCAGGTGCGCAGGAATGC  
 GACAAGGCCATATCTGACTTGAACGAAAGTTTATAGGGAGCCCCGAACGGAGTCTGGAGGAACTGAGTC  
 CTCGGCTCGAGGCAGTACACATTTCCCCACAGCGGCTGTCTAAAAGGCGGCTCTTTCAAGACAGTGGCAT  
 CGAAGATGAGACCCCTGATACTAACGTCCAGGTAGATCCCTGGAATCCAATGTGGCTGGGAAGAGCAAT  
 TACGCCAACGAGGAAACCGTTTACTGCAATCCAGCAATGCCGAGCGATGCTTTGTACAATTTAAGG  
 AGAAGTATAATGTCCATTCACTGAACCTACTAGAATTTAAATCCAATAAGACATGCAGTCACCACTG  
 GGTGGTGGCAGCGTTTCGAGTAGCTGAGGAACTGATTGAGGCTTCAAAGATAATTCGACAGCAGCACTGT  
 GAATTCATGCAACTGATTCTGCGGACTTTTCAGCACTCTATTTGCTTGAGTGAAGTCTACGAAAAGCC  
 GCGAAAACATCGTGAATCTGTTCAACCACTACTCAATGTACAGGACTGTGAGCTGCTGTGTGAGCCCC  
 AAAGAACCCTCAGTGGCTACGGCTCTGTACTTTTTTAAAAATCTATCGCTGGAATCGGTTACAAGGTG  
 GGTGACTTCCCCAGTGGCTGTCTGCCCTGACAATGGTGGATCATCAGATGGCCTCAGTGAACTTTCC  
 AACTGTCCGAGATGGTTCAGTGGTGTATGACAACAATATGTTGACGAGCCACTATAGCTTATAACTA  
 CGCTCTACGCCGAGGAGAATAGCAATGCGGAAGCGTTTCTCAAGTGAATCAGCAGGTGAAGTATGTT  
 AAGGACGCATGTACAATGGTACGAATGTACAAGCGGCAGGAACAGAGGAATATGTCAATGTCCAAGTGGA  
 TTTTCAAGTGCTGTAATGAAATCTCAGAGACACAGACAGAGCAGTGGAAAAGACATCGTTAAATTCCTCAA  
 GTTTCAAATATAAACTTCTCTCTTTTATGATCAGCTTGAAGCAGCTGCTTAAAGCAATCCCCAAAAG  
 TCCTGTATGGTATATATGGCCATCCGATACGGGAAAAGTCTATTTCTGCTTTGCATTGATGAAGTTTC  
 TGAAGGGCGCCATCGTGAGTTATATGAATAAAAACAGTCATTTTGGATAATGCCCTGTGGAGACCAA  
 GATCGGCTTTCTGGACGACGCTACCCAAGCTTGTGGACCTTTCTCGACATCAATATGAGAAATGCCTTT  
 GACGGAATTTTGTGACGCTAGATATTAACACAAAAATCTGCAACAGATCAAGTGCACCCCGATGTTCA  
 TTAATACTAATGTTGACGTAACCTAAGGATCCACATACGCCTACCTCGTTAGTAGGCTGACCTGTTTCA  
 GTTCCCAATAAACTGCCATTGATGAATCAGGCAACCCTGTTTATAACATAAGCACGGAGTCTTGGGCC  
 ATGTTCTTTAGGAAATTCAGTAGACAGCTGGAATTTGACTGAAGATGACGCCGACGGGGACCCGGGAATA  
 CTGACCGGCCATTCTGCTGCACCCTCGCAATACTATCGGAAGTAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC101878 representing YP\_004169286  
 Red=Cloning sites Green=Tags

MGDPTKGLGNLKDWCFIGTEAECVDSMDLSELDADTASNVSNLIDDLDTVDEGNLALFNEQVREEC  
 DKAISDLKRKFIGSPERSLEELSPRLQAVHISPQRLSKRRLFQDSGIEDETPDNTNVQVDSLESNVAGKSN  
 YANEETVILQSSNARAMLLYKFKEKYNVPFTELTRTFKSNKTCSHHWVVAFAVAEELIEASKIILQQHC  
 EFMQLIPADFSALYLLECKSTKSRETIVNLFTTILNVQDCQLLCEPPKNRSVATALYFFKKSIAIGYKV  
 GDFPQWLSALTMVDHQMASAETFQLESEMVCWYDNNYVDEPTIAYNYALYAEENSNAEFLKCNQVQYV  
 KDACTMVRMYKRQEQRNMSMSKWIIFKCCNEISETQTEQWKDVKFLKFNINFLSFMISLQLLKAIPKK  
 SCMVIYGPSDTGKSYFCFALMKFLKGAIVSYMKNKSHFWIMPLLETKIGFLDDATQACWTFLDINMRNAF  
 DGNFVSDIKHKNLQQIKLPPMFIITNVVTKDPTYAYLVSRLLTCFEFPNKLPFDESGNPVYINISTESWA  
 MFFRKF SRQLELETTEDDADGDPGNTDRPFCCTARNTIGSN

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NC\_014955

**ORF Size:** 1797 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\\_014955.1, YP\\_004169286](#)

**RefSeq ORF:** 1797 bp

**Locus ID:** 10146745

**MW:** 68.5 kDa