

## Product datasheet for **VC101921**

### **E1 (NC\_001587) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	E1 (NC_001587) 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 VC101921 represents NCBI reference of NP\_041809 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCCGACTCTGGAAACTGGGAGGGCGGTGTAGCGGATGGTTCAATGTTGAGGCAATCGTTGAACGGA  
AAACGGGAGACGCAATTCAGCGGATGAGAATTATGACGCGCAGCAGACTGAGGACTCAGAGATGGTGA  
CTTCATCGACAACGCCATATCAGCAACATTTACTCTCAGCAGGAAATTGCTCAAGCACTGTACCACAGC  
CAGCAGGTTAACGCTGATAATGAAGCAATTCGAGTGTGAAAAGAAAGTTGCAGGCTCTGCTGGGAGCT  
CCCCGATTCCAAGCGACATGAATTGAAGCACAAGCAAAGATCTCCACATATACTGACCATTAGGGACAC  
AAACACAACCTCTACCCACCTGTGTGCGAGGAGCAGGATTCGGATATGGCAACACTGAGGTCGAGACC  
TATGAAAGGCAGGTGCCCGACCCGGCGGGTGTTCAGTCCACATCCTCATCCAACAACGGAAGTCAA  
TGCCAGTCCAGGTGAGACGAACTCTGGTAGCAGTAGCATATCCAACATGGATATAGACATGGAGTCCAC  
CCCTATTACTGACATACCAATATCCTCAAAGTTCAAACGTGAAAGCTACGCTTCTTGCTAAATTTAAG  
GAAGTCTACGGCCTGAGCTATATGGAGCTGGTGCGCCCTATAAGTCAGATAAAACACAGTGTGAGGACT  
GGGTGTGCGCTGTCTTCGGTGTGGCGCCGAGCCTCGCCGAGAGTCTGAAAAGCTTGTGACTCAGTATTG  
CCTGTACATTCACCTCCAGTGTTCGACTTGCAGCTGGGGCATTATCGTGTCTGCTGGCCCGGTTCAAG  
TGCAACAAAAATAGACTGACAGTCCAGAACTCCTGCACGGGCTCCTGAACGTGACACAAGAGTATATGC  
TCATCGAACCTCCAAGATTGAGGTCTACCCCTGCGCTTGTACTGGTACCGAACCTCACTGTCAAACAT  
AAGCGAAACAGTAGGGGAGGTACCCGAGTGGATAAAACGGCAGACCGTGGTGCAGCACAGCCTGGAGGAT  
TGTCAAGTTGATCTCTCCAGATGGTTCAGTGGCCTTCGATAACGATATTACTAACGATTGCGAAATCG  
CCTACAAGTACGCACTCTTGGCTTCAGAGGACTCTAATGCCGCTGCCTTTCTCAAAGTAATGCCAGGC  
CAAGTACGTGAAGGACTGCGGCACAATGTGCCGCACTACAAGCCGCTGAACGGAAGCAATGACCATG  
TCACAATGGATAACACACAGATGCGACCTCATTGATGACGGAGGCAACTGGAAGCATATCGTGAATTTT  
TCCGCTACCAGCAGGTGCAATTCGTGCCATTTCTGATAGCCTTGAAGCAGTTTCTTAAGGGTATCCCCAA  
GCAGAACTGTATTGTGATCTATGGGCCACCTGACACTGGAAAGTCACTTTCGGCATGAGCCTGATGCAG  
TTCATGCAGGGGGTGTGATCTCTTACGTAACCTAACAGCCACTTTTGGCTGTCTCTCTGGCCGACG  
CTAAAATGGCTCTGCTTGACGACGCCACTCCGGCCTGTTGGACCTACATCGACAGATATTGAGGAATGC  
TCTCGACGAAATCCAATGTGCTTGGATAGGAAACACAAACACCTGTTGCAAATTAATGCCACCCTT  
CTGATCACTAGCAATACAAATCCAAGGCTGATGACACATGGAATACTTGCACAGTCAATGAAGGTAT  
TCACCTTTTCTAATCCATTTCCATTCGACTCAAACGGCAACCCACTCTACCAACTGACAAACGAAAAGT  
GAAAGCCTTTTTACCAAGACTTGGTCAAACCTGGACCTGACAGAGGACGACGATAAAGAGAATGACGGC  
GACACAGTGCAGACCTTTAAGTGCCTTAGTGGCAGGAATCCCCGGACCGTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC101921 representing NP\_041809  
Red=Cloning sites Green=Tags

MADSGNWEGRCSGWFNVEAIVERKTGDAIPADENYDGDDESEMDFIDNAHISNIYSQQEIAQALYHS  
 QQVNADNEAIRVLKRKFAGSAGSSPDKRHELKHKQSPHILTIRDNTTSTHLLCEEQDSGYGNTVEVET  
 YERQVPGPGGCLQSTSSSNNGSQMASPGETNSGSSSISNMDIDMESTPITDITNILKSSNVKATLLAKFK  
 EVYGLSYMELVRPYKSDKTQCQDWVCAVFGVAPSLAESLKSLLTQYCLYIHLQCLTCSWGIIVLLLARFK  
 CNKNRLTVQKLLHGLLNVTQEYMLIEPPRLRSTPCALYWVRTSLNISETVGEVPEWIKRQTVVQHSLED  
 CQFDLSQMVQWAFDNDITNDCEIAYKYALLASEDSNAAAFKLSNAQAKYVKDCGTMCRHYKAAERKQMTM  
 SQWITHRCDLIDDGWNKHIVQFLRYQQVEFVPFILALKQFLKGIKQNCIYIYPPDTGKSHFGMSLMQ  
 FMQGVVISYVNSNSHFWLSPLADAKMALLDDATPACWYIDRYLRNALDGNPMCLDRKHKHLLQIKCPPL  
 LITSNTNPKADDTWKYLHSRMKVF TFSNPFPFDSNGNPLYQLTNENWKAFFTKTWSKLDL TEDDDKENDG  
 DTVQTFKCVSGRNPRTV

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NC\_001587

**ORF Size:** 1941 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\\_001587.1](#), [NP\\_041809](#)

**RefSeq ORF:** 1941 bp

**Locus ID:** 1489429

**MW:** 73.3 kDa