

Product datasheet for **VC101909**

E1 (NC_001583) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_001583) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC101909 represents NCBI reference of NP_041784 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTGTGAGGGCACGAATGAAGAGGGCCGAGGGTGTACCGGGTGGTTCTCCGTCGAGGCAATTGTGG
AGAAACATACAGGGGACACTATATCCGATGATGAGACAGACAACAGCTCCGATACCGGATCCGATTTGAT
AGGATTCATTGACGACAGCAGTATCAGCGACTACGCCAACAGGAGGTGACACAGGCCCTTTCCAGGCA
CAGCAAAAGCAGGCAAACTAAAGCCGTGCGAACCTTAAAAGAAAGCTTCTGGGAAGCCAGAACTCTC
CGCTGCAGGACATACCAACCAGCATAGACAGCAGAGTGACAGCCAGCAGAACACCCACCAGGTTAAACA
CAGCCAGGCAAAACGGCGCGCCGTTGATTCTGTACCCGATTCCGGCTATGGATACACCGAGGTAGAGACA
CTCACCCCTGTTCAAGTGGATAAACAGTACGAGGAAAACGGGGGTCTCCCCTCAGTTTGTAGCCAGGGG
GGTCTAATGCTTCTGTGGAGGACATAGATGTCGACACACACGTGAATTCGGTTACGACAGATTTGCGAGCT
GTTGAAATGTTCCAATGTGAAAGCCGACTTCTGAGTAAATTCAAAACCGTTTATGGGGTGTCTTTCCGCC
GAGCTTGTGCGCGTCTTTAAATCTGACAAAACGTGCTGTTCCGATTGGGTCTGTGCCGCCTTCGGTGTG
CTGGGAGTGTGGCTGAATCAATTAAGTCCTGATTACGAGTACTGTCTGTACTACCACATCCAGTGCCT
GACCTGTAACCTGGGGAGTGATTGTGCTGATGCTGGTTCGATTACCTGTGCCAAGAACCAGCAACAATC
AAGAACTGCTTTGCATGCTGCTGAACGTGCCGGAGACTCAGCTGCTGATTGAGCCACAAAACCTTAGAT
CCACTGCCGTGGCATTGTATTTCTACAAAACCGGCCTGTCTAACATCTCCGAACTTACGGAGACTCC
CGAGTGGATCGTCCGACAAACACAGCTGGAACACAGTTTTGACGACGCAACATTGACCTCTCAAAAATG
GTGCAGTGGGCATTTGACCACGATATCACAGATGACTCAGAGATTGCTTTTAAATATGCTCAGCTGGCTG
ATATTGACTCCAATGCCCGCATTTTTGAAATCTAATTGTCAGGCTAAGTATGTCAAGGACTGCGCTAC
CATGACCCGGCACTACAAGAGAGCGCAGAAGAGATCCATGTGCATGAGTCAGTGGTTGCAGTACAGATGC
AGCAAGATCGAAGAAGGGGGCTCATGGAAGAAAATTGCCAAATTCCTGAGATTTCAACACGTGAATTTCA
TTTATTTTTTGAAGTCTCAAACAATTTCTCAAAGGCACTCCTAAGCATAACTGTATCGTGATTTATGG
CCCTCAAATACCGGAAAAGTCAATTCGCCATGTCATTTATTAATTCATGCAAGGCAGTGAATTTCT
TATGTTAATAGCAACTCCATTTTTGGCTGCAGCCCTCGAGGATGCAAAAAGTCGACGACTTGTATGATG
CAACCTACAGCTGTTGGCTTTACATAGACAAATACTTGCGAAATTCCTGGACGGTAACCCATGCTGCAT
CGACAGAAAGCACCGGTCTCTCCTGCAAGTACTTGTCCACCTCTGATTATCACATCAACATCAACCCC
CAGGAGGACAATAGTCTGCTGTATCTTCACTCCCGAGTGACGGTTATCCGTTTTCCAATACTTTCCCAT
TCGACAGCAATGGAATCCGGTGTACGCGCTGACTGACGTTAATTGGAATCATTTTTCAGCACTACCTG
GTCTAGGCTCGATCTGGAAGAAGACGCCGATAAAGAAAACGGGGAGCCTCTGCCTGCCTTCAAATGCGTC
CCCGGCGAAAACACCCGGTTGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101909 representing NP_041784
Red=Cloning sites Green=Tags

```

MDCEGTNEEGRGCTGWFSVEAIVEKHTGDTISDDETDNSSDTGSDLIGFIDSSISDYAEQEVTFQALFQA
QQKQANTKAVRNLRKLLGSQLSPLQDITNQHQQSDSQNTHQVNNNSQAKRRAVDSPDSGYGYTEVET
LTPVQVDKQYEENGLPSVCSQGGSNASVEDIDVDTHVNSVTQICELLKCSNVKAALLSKFKTVYGVSF
ELVRFVFKSDKTCCSDWVCAAFVAGSVAESIKSLIQQYCLYYHIQCLTCNWGVIVLMLVRFCAKNRTTI
KNCLCMLLNVPETQLLIEPPKLRSTAVALYFYKTGLSNISETYGDTPEWIVRQTQLEHSFDDATFDLSKM
VQWAFDHDITDDSEIAFKYAQLADIDSNAAAFLLKSNCAKQYVKDCATMTRHYKRAQKRSMSQWLQYRC
SKIEEGGSWKEIAKFLRFQHVNFYFLQVLKQFLKGTTPKHNCIVYIYPPNTGKSQFAMSFIFKMQGSVIS
YVNSNSHFWLQPLEDAKVAVLDDATYSCWLYIDKYLRFNDGNPCCIDRKHRSLLQVTCPLIITSNINP
QEDNSLLYLHSRVTVIPFPNTFPFDSNGNPVYALTDVNWKSFFSTTWSRLDLEEDADKENGELPAFKCV
PGENTRLL
    
```

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001583

ORF Size: 1914 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_001583.1](#), [NP_041784](#)

RefSeq ORF: 1914 bp

Locus ID: 1496944

MW: 72.0 kDa