

Product datasheet for **VC101899**

E1 (NC_001526) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_001526) 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 VC101899 represents NCBI reference of NP_041327 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGATCCCGCAGGCACAAATGGGGAAGAGGGCACTGGATGTAATGGGTGGTTCTATGTCGAGGCCG
TAGTGGAAGAAAAAGACCGCGCATGCTATTTTCAGACGACGAAAACGAGAATGACTCAGATACCGGCGAGGA
CCTGGTCGATTTTCATTGTGAACGACAACGATTACCTGACACAGGCTGAGACCGAGACAGCGCACGCTTTG
TTCACCGCACAAGAGGCAAAACAGCATCGCGATGCCGTTCCAGGTGCTGAAGCGAAAGTACCTTGTGAGCC
CACTCAGCGATATCTCTGGCTGCGTGGATAATAATATCTCCCGAGGCTGAAGGCAATTTGCATAGAGAA
GCAGTCAAGGGCCGGAAGCGACGGCTCTTTGAGAGCGAAGATTCGGCTACGGCAACACCGAAGTCGAG
ACCCAACAAATGCTGCAAGTCGAGGGACGACATGAGACCGAGACACCCTGTTCCAGTACAGTGGAGGCT
CAGGGGGCGGCTGCTCTCAATATTTCTTGGATCAGGCGGGAAGGGGTGTCAGAGAGGCACACAATCTG
CCAAACCCCACTACCAACATCCTGAATGTCTCAAAACATCTAATGCAAAGCGGCCATGCTGGCCAAG
TTCAAGGAACTGTACGGAGTGCATTTAGCGAGCTGGTGCAGCCCTTCAAGTCTAACAAAAGTACCTGTT
GTGACTGGTGCATCGCTGCCCTTTGGACTTACCCCTCAATCGCGGACAGCATTAAAACTCCTGCAGCA
GTATTGCCTGACTTGCATATCCAGTCATTGGCTTGTCTTGGGGGATGGTTGTCCTGTTGCTTGTTCGG
TACAAATGTGGCAAGAATCGCGAGACCATAGAGAACTTCTGTCAAAGTTGCTGTGCGTGTACACCTATGT
GCATGATGATCGAGCCCCCTAAGCTGCGAAGCACTGCAGCAGCCCTCTACTGGTACAAAACAGGTATCTC
TAACATTAGTGAAGTCTATGGAGACACCCGAGTGGATTACGCGCAAAGTGTACTGCAGCATTCTTTTC
AATGACTGTACATTTGAACTCAGTCAAATGGTACAGTGGGCTTACGACAACGACATCGTTGATGATTCTG
AAATAGCTTACAAATACGCCAGCTGGCCGATACTAACAGCAACGCATCAGCTTTTTTGAAGAGCAACTC
CCAAGCTAAGATTGTGAAGGACTGCGCCACTATGTGCAGGCACTATAAGCGCGCCGAAAAGAAAACAATG
TCCATGTCTCAATGGATCAAATACAGATGTGATCGAGTCGACGATGGGGGCGACTGGAAACAGATCGTCA
TGTTCTGCGCTACCAGGGCGTGAATTCATGCTTTCTCACCGCCCTCAAAGATTTCTCCAGGGGAT
CCCAAAGAAGAATTGATTTTGTGATGGGGCCGCTAACACAGGCAAGTCCCTGTTCCGGGATGTCCTG
ATGAAGTTTCTCAAGGTAGTGAATCTGCTTCGTGAACAGCAAATCCCCTTTTGGCTGCAGCCCCTTG
CAGACGCTAAAAACGGTATGCTCGATGATGCAACAGTCCATGTTGGAATATATTGATGATAAATTGAG
GAACGCACTCGATGGCAACCTGGTTTCCATGGACGTGAAGCACAGGCCGCTGGTTCAGCTGAAATGTCCG
CCCTGCTCATCAGAGCAATATCAATGCGGGAAGTATTCTCGGTGGCCTTACCTCCACAATCGGCTCG
TGGTGTTCACATTTCCCAATGAGTTCCTTCCGACGAAAATGGTAACCCTGTCTATGAACTGAATGACAA
GAACTGGAAGTCTTTCTTTCCCGCACCTGGAGCCGCTGAGTCTGCACGAAGACGAGGATAAGGAGAAT
GACGGCGACTCTCGCAACGTTAAGTGCCTGTCTGGTCAAAACACTAACACCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101899 representing NP_041327
Red=Cloning sites Green=Tags

MADPAGTNGEETGCNGWFYVEAVVEKKTGDAISDDENENDSDTGEDLVDFIVNDNDYL TQ AETETAHAL
 FTAQEAQH RDAVQV LKRKYLVSPLSDISGCVDNNISPR LKAICIEKQSRAAKRRLFESEDSGYGNTVEV
 TQQMLQVEGRHETETPC SQYSGGSGGCSQYSSGSGGEGV SERHTICQTPLTNILNVLKT SNAKAAMLAK
 FKEL YGVSFSEL V RPFKSNKSTCCDWCIAAFGLTPSIADSIKTL LQQYCLYLHIQSLACSWGMVLLVLR
 YKCGKNRETIEKLLSKLLCVSPMCMIEPPKLRSTAAALYWK TGISNI SEVYGDTPEWIQRQTVLQHSF
 NDCTFEL SQMVQWAYDNDIVDDSEIAYKYAQLADTNSNASAF LKSNSQAKIVKDCATMCRHYKRAEKKQM
 SMSQWIKYRCDRVDDGGDWKQIVMFLRYQGVFMSFLTALKRFLQGIPKKN CILLYGAANTGKSLFGMSL
 MKFLQGSV ICFVNSKSHFWLQPLADAKIGMLDDATVPCWNYIDDNLRNALDGNLVSMDVKHRPLVQLKCP
 PLLITSNINAGTDSRWPYLHNRLVVFTFPNEFPFDENGNPVYELNDKNWKSFFSRTWSRSLSLHEDEDKEN
 DGDSLPTFKCVSGQNTNTL

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001526

ORF Size: 1947 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_001526.2](#), [NP_041327](#)

RefSeq ORF: 1947 bp

Locus ID: 1489075

UniProt ID: [P03120](#)

MW: 72.9 kDa