

Product datasheet for **VC101958**

E1 (NC_001531) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_001531) 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 VC101958 represents NCBI reference of NP_041367 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACTGACCCCAACAGCAAGGGATCTACATCCAAGGAAGGATTCGGCGACTGGTGCCTCCTTGAAGCAG
ATTGCTCCGACGTCGAAAATGATCTGGACAGCTGTTTGAGAGAGATACAGACTCCGATATCTCCGACCT
CCTTGACGACACAGAGCTCGAGCAAGGAAATTCTCTTGAGCTCTTCCACCAACAAGAATGCGAACAGAGT
GAGGAGCAGCTGCAGAAGCTCAAAGGAAGTATCTCAGTCCAAAAGCAGTGGCTCAGCTGAGCCCTAGAT
TGGAAAGCATTAGCTTGAGCCCTCAGCAGAAGTCTAAAAGGCGGCTCTTGCAGAACAGGACTCTGGACT
GGAGCTGACATTGAATAACGAAGCCGAGGACGTCACCCCTGAAGTGGAGGTGCCCGCAATCGATTCTCGG
CCCATGACGAAGGAGGCTCTGGGGACGTTGACATACACTATACCGCCCTGTTGCGAAGCTCAAATAAAA
AAGCAACTCATGGCCAAATTCAGGAAAGCTTCGGAGTGGGGTTAATGAGCTGACCCGCCAGTTCAA
GTCTCACAAAACCTGTTGCAAAGACTGGGTGGTGTCCGTGTACCGCGTGCACGACGATCTTTTTGAATCC
TCCAAGCAACTCCTGCAGCAGCATTGCGATTATATTTGGGTTAGAGGCATAGGTGCCATGTCCCTGTACC
TGCTTTGTTTCAAGGCCGGAAGAATCGGGCACGGTCCACAAGCTGATTACCAGCATGTGAACGTCCA
CGAACACAAATCCTGTCTGAGCCTCAAAGCTGCGGAACACCGCCGCCCTGTTCTGGTATAAGGGC
TGCATGGGTAGTGGAGCCTTCTCCCATGGACCATACCCGGACTGGATCGCACAGCAAACCATCTGGGAC
ATAATCCGCCGAAGCAAGCACATTGACTTTTCTGCCATGGTGCAGTGGGCGTTCATAATCACCTTCT
CGACGAGGCCGACATTGCTTACCAATACGCCCGGCTGGCCCCGAAGACGCAAACGCTGTGGCATGGCTG
GCTCACATAATCAGGCTAAGTTTGTGCGAGAATGTGCCTACATGGTCCGATTTTACAAAAGGGCCAGA
TGAGAGACATGTCTATCAGCGAATGGATTTACACTAAGATCAACGAGGTGAGGGGGGAAGGGCACTGGAG
CGATATCGTCAAGTTCATTAGATATCAGAATATTAATTTTATAGTTTTTCTTACGGCTCTTAAAGAATTC
CTCCACAGTGTCCCAAAAAGAACTGCATCCTCATCTATGGGCCTCCCAATAGTGAAAGTCTCATTTCG
CCATGAGCCTTATCCGAGTCTGAAGGGCAGGGTCTGAGCTTCTGTAAGTCCAAGTCTCAGTCTGGCT
GCAACCGCTGAGCGAGTGAAGATCGCCCTCTCGACGATGTGACTGACCCATGTTGGATTTACATGGAC
ACTTATCTGAGGAACGGCCTGGATGGCCACTATGTGTCCCTGGACTGCAAGTACAGAGCGCAACACAGA
TGAAGTTTCCACCCTGTTGCTGACAAGCAATATTAATGTGCACGGGAAACAAATATAGTACTTGA
CAGCACCATTAAGGCTTCGAGTCCCAAATCCTTTTCTATGAAGGCAGATAACACGCCCAATTCGAG
TTGACAGATCAGAGCTGGAATCCTTCTCACTCGACTTTGGACTCAGCTCGATCTGTCCGACCAGGAAG
AAGAAGGCGAAGATGGGGAGTCACAGCGCGCTTCCAATGCAGCGCGCAGCGCAATGAACATCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101958 representing NP_041367

Red=Cloning sites Green=Tags

MTDPNSKGSTSKIEFGDWCLLEADCSDVENDLQQLFERDTSDDISDLLDDTELEQNSLELHFHQEQCEQS
EEQLQKLKRKYLSPKAVAQLSPRLESISLSPQQKSKRRLFAEQDSGLELTLNNEAEDVTPVEVPAIDSR
PDDEGGSDVDIHYTALLRSSNKATLMAFKESFGVGFNELTRQFKSHKTCCKDWVVSIVAVHDDLFE
SKQLLQQHCDYIWRGIGAMSLYLLCFKAGKNRGTVHKLITSMLNVHEQQILSEPPKLRNTAAALFWYKG
CMGSGAFSHGYPDWIAQQTILGHKSAEASTDFDSAMVQWAFHNHLLDEADIAIYQYARLAPEDANAVAWL
AHNNQAKFVRECAVMVRFYKKGQMRDMSISEWIYTKINEVEGEGHWSDIVKFIRYQINIFIVFLTALKEF
LHSVPKKNCILYGPNSGKSSFAMSLIRVLKGRVLSFVNSKSQLWQPLSECKIALLDVTDPCWIYMD
TYLRNGLDGHVSLDCKYRAPTKMFPPLLLTSNINVHGETNYRYLHHTTIKGFEPNPFPMKADNTPQFE
LTDQSWKSFFTRLWTQLDLSQEEEGEDGESQRAFCARSANEHL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001531

ORF Size: 1818 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_001531.1](#), [NP_041367](#)

RefSeq ORF: 1818 bp

Locus ID: 1489049

MW: 69.1 kDa