

Product datasheet for **VC101871**

E1 (NC_014954) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_014954) 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 VC101871 represents NCBI reference of YP_004169279 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATCCATCTTAAAAGATGGTCTGTCTGATTGGCTTGACCGCCATCGTCCTCATCGTGACTCAGA
TTTTGGATTGCGTGCTGGTCTTTTGCCTCTGCCTTTTGCCTTTTGCATTAGCTGCTGCTGCCTATTTG
TATTTGCTTTGCTCGGCGTGCCGATTCTGTCTTTGAGATGGCTGACCTCAAGGGAATAGACCTGGAA
GAGAACGTGGAAGAATGGTACATCGTGAACGAGGCAGAAATGTCGCGACGATACCTGAACGACCTGTTT
ACGTAAGCGAGGACGGCTCCAACATCTCCAATCTGATCGACGACGATAGCGTAGACCAGGGCAATAGCCT
GGCACTTTTCTGCACAGCAAGCCGAGGACACAGAGAACAGCGTCTTCTTGAAGAGGAAATTTTTT
TCCTCTCCTGAGAAACCACTCGTGGATCTGTACCACGACTTCCGCTGTCCATATTACCCCGAAAAAG
CTAGTAAGAGGGCGCTGTTTACCGACTCCGGCATCGCCGAAGACGAAGCTGAGAATTCTAATGTCCAAGT
GGCCTGCGAGGACAGCGTGGATTCTCTGAACCTCAATGTTGCAGGCAACGAGAATGGGGAAACGAGAA
GTTTTGAGTATTCTGAAGTCTTCAAACGTTTCGAGCAACTGCTTTTCAAGTTTAAAGACAAATTTCCG
TTAGCTTTACCGAGCTGACACGGAATTTAAGAGCAGTAAGACTTGTACCAATAATTGGATAGTGGCCGC
TTTCGCGTGGCTGAAGAGCTTATCGAGGCTAGCAAGATTACATTGCAGCAGTATTGTAACCTTTGTGCG
GTTATTGAGTCAGACTTCACCGGCTCTACCTGTTTGAATTTAAAGCCGCCAAATCCCGGAGACAGTGA
TGAAGCTCTTCAAGTAAATGCTCAATATTAAGGAGGAACAATGCTCTCCGATCCACCTAAGAACCGGAG
CACAGCCGAGCCCTTACTTTTATAAGAAAGCTATCGTTAACTCTTTTAAATATGGCCCTTTCCCG
CAGTGGCTGACTTCTCTGACTATAGTTGACCATCACGCTGCTACTGCTGAAACCTCAAGTTGTGTGAGA
TGGTTCAATGGCCTATGACAACGATTTACAGAGGAGACTGTAATTGCATATAACTATGCGTCTCTATGC
ATCCGAGAACGCTAATGCAACGGCATTCTGCAGAGTAATTCAGCTCAAATATGTGAAGGATTGTGCC
GCCATGGTAAAAATGTATAAGCGCCAGGAGATGAAGAACATGAGCATGAGCGAATGGATCGATAAGTGT
GCGGCTCTGTGGCCGAAGGGGATAACTGGAAGGACATCGTAGGGTTCTGAAATTTCAAGAGATAAATAT
AGTGGAGTTTCTGATCGCCCTGAAGCTTTTCTGAAGGGAATACCCAAAAAATGTGCATAGTTATATGG
GGTCCCCAGACACAGGAAAGAGTTATTTTCTTTTTCTCGTTAAGTTCCTGAGAGGAAAAGTAGTGT
CCTTCATGAATAAATCCAGTCACCTCTGGCTGATGCCTCTTATGGAAGGTAAGTTCGGCTTCTGGACGA
TGCCACATATTGCTGTTGGTCTACCTCGATGTGCACATGAGGAATGCCTTCGACGGCAACATGGTATGC
CTGGACGTGAAACATAAAAGTATGCAGCAGATCACTGCCCCCTATGTTTCATCTCTACAACGTTGGATG
TCAAAAGCGAACAACCTCTCATGTATCTCCATTCCCGCCTCACTTGTTCAGTTTCCACACAAGCTTCC
ACTCGACAATGTTGGCAACCTTTGTTTACTTTACGGATAAAAGTTGGGCGTGCTTTTTCCGCAATTT
TGGAAATCATTGGACCTGACTAGCGAGGACGCTGATGGCGATCCTGGCGAACGAAAGAACCTTCTGTT
GCACAGCCAGAAGCTCTGTGGAGTCTAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101871 representing YP_004169279
Red=Cloning sites Green=Tags

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MIHLKRWSCHLIGLTAIVLIVTQILDVLLPLPFAFCISCCCLICICFVLGVPDSVFEMADLKGIDLE
ENVEEWYIVNEAECRDDTLNDLFDVSEDGNSINLIDDSVDQGNLALFSAQQAEDTENSVLLKRRKFF
SSPEKPLVDLSPRLSAVHITPEKASKRRLFTDSGIAEDAENSINVQACEDSVDSLNSVAGNENGGNAE
VLSILKSSNVRATLLFKFKDKFSVSFTELTRNFKSSKCTNNWIVAAFAVAEELIEASKITLQQYCNFVQ
VIESDFTGLYLFDFKAAKSRETVMKLF SKMLNKEEQMLSDPPKNRSTAAALYFYKKAIVNNSFKYGPFP
QWLTSLTIVDHHAATAETFKLCEMVQWAYDNDFTTEETVIAINYASYASENANATAFLQSNSQLKYVKDCA
AMVKMYKRQEMKNMSMSEWIDKCCGSVAEGDNWKDIVGFLKFQEIINIVEFLIALKFLKGIPKMCIVIW
GPPDTGKSYFLFVLVKFLRGKVVSMNKS SHFWLMPLEMGKVGFLLDDATYCCWSYLDVHMRNAFDGMNVC
LDVKHKSMMQIILPPMFISTNVDVKSEQTLMYLHSRLTCFKFPHKLPLDNGNPLFTFTDKSWACFFRKF
WNHLDLTSEDADGDPGEPERTFCCTARSSVESN
    
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TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_014954

ORF Size: 1989 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_014954.1, YP_004169279](#)

RefSeq ORF: 1989 bp

Locus ID: 10146737

MW: 75.1 kDa