

Product datasheet for **VC101820**

E1 (NC_001676) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_001676) 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 VC101820 represents NCBI reference of NP_043290 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTGATAACCAAGGGACCGAGGAAGAAGGAACCGGGTGAACGGATGGTTTTTCGTTGAGGCGATTG
TTGAGCGAAAGACTGGGGATATAATCTCAGATGATGAGCCCGAGGACGTGGAGGACAGTGGCTTGGATAT
GGTCGACTTCATCGACAATTCAGTGTCCAGGTGGAGGGCAAGAGAATCCCAAGCTCTCCTGCATGCC
CAACAACCTCAGGCAGATGTAGAGGCAGTCCAGCAGCTTAAGAGGAAGTACATCGGGTCTCCATACGTCT
CCCCTGTGGCCAATTCGAACCTTGTGTTGAGAAGGACCTCTCTCCAGGCTTGGCGCTATCTCTTTGGG
CAGGAGGTCTGCCAAGGCGAAAAGACGGCTTTTCGATAAGGCGCAGCCACCACCAATGGCCACACTGAC
GTTGAAGCCGCCGTCGAAGTCAACACTGAAGGGACCGACGAGACTGAGACCGACCAGGTGCAGACAGTGT
CTGGCGAAACAACACAGATTCTCTCGGTGCAACAATAACCGAGTTGATCCACAACACGAACATCAG
AGTTGCTCTCTTTGGCATGTTTAAAGACCTCTACGGCCTGTCTTTATGGATCTCGCTAGGCCCTCAAG
TCTGATAAAACAGTGTGCACGGATTGGTTATCGCCGCTTCGGCATCTATCACGGCATCACCGACGGCT
TCAAGACACTGCTGGAGCCACATTTGCTGTATGGTACATTCAGTGGCTGACCTGTCTGGGGGATGGT
GCTTCTGCTTCTGACAAGGTTTAAATGCGGCAAAAACAGGCTGACGGTGTCAAAATGCCTGGGCATGCTC
CTTAATATTCCAGAAACACAAATGCTGATTGATCCCCCAAGCTCAGGACCCCTGCCGACGCTCTACT
GGTATAGACAAGGCTGTCCAATGCTTCTGAAATATTTGGCACACCCCGGAGTGGCTGGCCCGGACAGC
AGTTATCGAATACAGCCTTGGCATTCTCAGTTCGATCTGTCCAAAATGGTGCAGTGGCCCTACGACCAC
AACTATATTGATGATCCATAATAGCACTGGAGTACGCCAACTGGCAGATATAGACGAAAATGCAGCCG
CTTTCCTCGGTTCAAATTGTCAGGCCAAGTATGTGAAAGACTGCGGCACCATGTGCAGGCACTATATCAG
GGCTCAGAAAATGCAAATGACCATGAGCCAGTGGATTAACATCGATGTGACCTGGTGGAAAGAGGGG
GAATGGAAGGAGATCGTTAGGTTCTCCGGTATCAGCATGTGGATTTTATTAGTTTTATGATCGCTCTCA
AGCAGTTTCTGCAGGGAATCCCAAGCACAATTGCATACTTTTGTATGGCCACCCGACACGGGCAATC
AAATTTTGAATGAGCTTGATAAGCTTTCTCGGAGGAGTGGTTCTGTCTTATGTCAATTCATCAAGTCAC
TTTTGGCTGGAACCACTCGCCGACGCGAAGATAGCTATGCTCGACGACGCCACAACCCAGTGTGGAAC
ACATGGACATCTATATGCGGAATGCACTTGACGGCAACCCTATGTCTTTGACCGCAAACATAGGGCTAT
GGTACAGACCAAATGTCTCCCCTTATAGTGAATAGCAATATCAATGCCTCTACAGACGATAGGTGGAGA
TATTTGCACTCACGGGTGAAGTCTTCTGCTTCCCAAACCGATTCCCGTTGATAGCAATGGGAATCCAG
TGTACGACCTGAGCAATAAGAATTGGAAGTCTTTTTCAAACGAAGCTGGAGCCGACTGGCTCTGAACGA
TAATGACAATGAAGAGGAAGAAAACGGCGATCCATCTAATACTTTTCAGATGCGTCCAGGCAAGGCTCT
AGGCCAATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101820 representing NP_043290
Red=Cloning sites Green=Tags

MADNQGTEEEGTGCNGWFFVEAIVERKTGDIISDDEPEDVEDSGLDMVDFIDNSVSQVEGQENPQALLHA
 QQLQADVEAVQQLKRKYIGSPYVSPVANSEPCVEKDLSPRLGAI SLGRRSAKAKRRLFDKAQPPPNGHTD
 VEAAVEVNTTEGTDETDQVQTVSGETTDSLGRQITELIHNTNIRVALFGMFKDLYGLSFMDLARPFK
 SDKTVCTDWVIAAFGIYHGITDGFKTLLEPHCLYGHIQWLTCRWGMVLLLLTRFKCGKNRLTVSKCLGML
 LNIPETQMLIDPPKLRTPAAALWYRQGLSNASEIFGTPEWLARQTVIEYSLADSQFDLSKMOVWAYDH
 NYIDDSIIALEYAKLADIDENAAFLGSNCQAKYVKDCGTMCRHYIRAQKMQMTMSQWIKHRCDLVEEEG
 EWKEIVRFLRYQHVDIFISFMIALKQFLQGIPKHCILLYGPPTGKSNFAMSLISFLGGVLSYVNSSSH
 FWLEPLADAKIAMLDDATTQCWNMYDIYMRNALDGNPMCFCRKHRAVQTKCPPLIVTSINASTDDRWR
 YLHSRVKCF CFPNRF PFDSNGNPVYDL SNKNWKSFFKRSWSRLALNDNDNEEEENGDP SNTFRCPVGKAS
 RPI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_001676

ORF Size: 1899 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_001676.1](#), [NP_043290](#)

RefSeq ORF: 1899 bp

Locus ID: 1497434

MW: 71.8 kDa