

Product datasheet for **VC101980**

E1 (NC_001693) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_001693) 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 VC101980 represents NCBI reference of NP_043439 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGGACCCCAATAAAGGGATCAATTCTCTGGAATTGAACGAAGGCCATAGCGAATGGTATGTAGTTA
CCGAGGCAGAGTGTATTAACCTCTCTGGACACCATGGAGGAACTCTTTGAAGAAAGCACTGACGGCTCCAT
AGTATCCAATCTCATCGACGACAGTGAAGAGCTGGAAGAAGGGAATAGCCTGGCCCTGTACAATGAGCAG
CTGACTGAAGATTGCAATCGCGCCATTTTGGCGCTTAAAAGAAAACCTACTAAAACCTCCCTTGAAGAGCC
AGGACCGGACAGTTGCCGATCTTTCTCCACGCTTGAAGCCGTTACAATATCCCCACAACGGCAAAGCAA
GCGGAGGTTGTTGAGGACTCCGGGCTGGGCGAAGATGAGGCAACCAATAGCATCGAAAAAGGTGGTA
TCAAACCTCCCTGGAGTCAAACGAGAGTGGCACACTTGTGGTAGAGACAGACTCCATTTTTAGGAGTACCA
ATAGAAAGGCCACTCTGCTGGCGAAGTTCAAGGAATACTTCGGCGTAGCCTATGGGGATCTTACTAGACC
GTTTAAGTCCGATAGGAGTTGTTGCGAGAATTGGGTGATCAGCGTCTGCGCCGCTGCTGAAGAGGTCATT
GAAGCATCTAAAACAGTCATGCAACAGCACTGCGATTTCTGCAGGTTATTTCTTATGGCTTTTACGCTC
TCTACCTTGTGAAGTTCAAACCGCAAAGAGTCGAGATACTATCATGAACTGTTCTCCCTCACACTCAA
TGTACAGGAGCAACAATTGATGTGTGATCCTCCAAAAGCCGAAGTACTCCCACCGCCCTTATTCTTAC
AGACGATCCTTTGGCAATGCCTCATTTATCTACGGCCCTTCCCTGATTGGCTTGCCAAGCTGACGATGC
TGGATCACGAGTCCGCCATCCTCCGAGCAATTCGAGCTCGCCAGATGATCCAGTTTGCATACGATAA
CAACCTGACCACAGAGAGCGAAATCGCTTACAAGTATGCGCTGCTGGCTGATTCCGATGCGAATGCAGCA
GCCTTCTTGAAGAGCAATCAGCAAGTGAATACGTCCGCGACTGCTACGCGATGCTGAGGTATTACAAGA
GACAGGAGATGAAAGACATGTCTATATCAGAGTGGATCTGGAAATGCTGTGATGACTGCAACCAGGAAGG
AAACTGGAAGCTCATTGCCAGTTTCTGCGCTACCAGGAGGTGAATTTTATCAGTCTTCTGTGCTCTT
AAAACCTTTTTAAGGGCATACAAAACGAAACTGTCTCGTTTTCTGGGGCCGCCCGATACGGGCAAGA
GCTATATTTGAGCTCTCTCACCAGTTTATGCAAGGTAAGGTGGTGAAGTTTATGAATAGACACTCACA
GTTCTGGCTTACGCCCTTCCAGGATTGTAACCTGGTTTTCTTGACGACGCCACATTCCAGTGTGGCAG
TATATGGATGTCAACATGCGGAATGCTTTGGATGGAAACCACATCTCTCGACCTGAAGCATAAAGCTC
CTCTGCAGATCAAGCTGCCCCCTCCTGATCACCACAAATGTGGACGTTGAGAACGAGGCTCTCTGAT
GTATTTGAAAAGCCGCTGGTTTTTTCAAGTTCCCAACAAACTGCCCTGAAGGAAAAAGACGAGGTC
CTTACGAGATTACTGATGCCAGTTGGAAGTGCTTCTTATTAAATTTGCTAGCCACCTTGAACACAG
CCAGAGGCGATGAACAGCATGAAAGCGGCCGAGTGACAGGGCTTTCAGGTGCACCGCCGCCACAATAC
TGAGAGCATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101980 representing NP_043439

Red=Cloning sites Green=Tags

MADPNKINSLELNEGHEWYVTEAECINSLDTMEELFEESTDGSIVSNLIDDSEEEEGNSLALYNEQ
LTEDCNRAILALKRKLTKTPLKSQDRTVADLSPRLEAVTISPQRQSKRRLFEDSGLGEDEATNSIEKKVV
SNSLESNESGTLVVEDSIFRSTNRKATLLAKFKEYFGVAYGDLTRPFKSDRSCENWVISVCAAAEEVI
EASKTVMQQHCDFLQVISYGFYALYLKFKTAKSRDTIMKLFSLTLNVQEQQLMCDPPKSRSTPTALYFY
RRSFGNASFIYGFPPDWLAKLTMLDHESAASSEQFELAQMIQFAYDNNLTTESEIAYKYALLADSDANAA
AFLKSNQVQYKVRDCYAMLRYKQEMKDMSISEWIWKCDDCNQEGNWKLIAQFLRYQEVNFI SFLCAL
KTLFKGIPKRNCLVFWGPPDTGKSYICSSLTRFMQGVVSMNRHSQFWLQPLQDCKLGFLDDATFQCWQ
YMDVNMNRNALDGNHISLDLKHKAPLQIKLPPLLIITNVDVENEASLMYKSRLLVFFKFPNKLPLKENDEV
LYEITDASWKCFIKFASHLELTARGDEQHESGRSDRAFRACTAGTNTESI

TRTRRLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001693

ORF Size: 1830 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_001693.1](#), [NP_043439](#)

RefSeq ORF: 1830 bp

Locus ID: 1403640

MW: 69.9 kDa