

Product datasheet for **VC101770**

E1 (NC_008189) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_008189) 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 VC101770 represents NCBI reference of YP_656500 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGATAAGGATAACAAGGGCACCTCCCCTCACATTTGTGACTATAATGCCATTGACTTTATTGATG
CCGAGGCCCGCTGCGAAGAACTCGATCCTTTGGAGGCCGTCTGGAAGAGTCAGACGGCACCGATATAAG
TGACCTGATTGACAATACAGAAGAACCAGACGAGGGCAATAGTCTGGCTTTGTTGAATAAGCAGCAGCTC
GAGGATGATACCCAACAGCTGAAGATTCTTAAACGCAAAATTTTCTCTCCAGCCCCAAGCAGCAGGCAG
TGATTGATCTCTACCCCGCTGCAGCAGTTGCGGGTCTCTAGTCAAGGGTCTTCCAAGAGGAGGCTGGT
ATTCGAGGATAGCGGACTCGGTAACGAGACTGAGGATCCGTCCTGACTGAAGTGCCAAAGTTGCCCTGAG
CAGCCACTGAGCTGTAAACCCGGCGAACAGAGACAAACGAAGACGTGAGTACGGACGTAGAGACTCGGT
CAGGAGGCCCTTGCAGCGGCACAAACAGTAACAATAACTCCAACAACAACACTGCATCGACCTGTCCCA
TTCATCAAACAGGGAAGCCACTGCCTACGCCAAATTCAGGCCACCTTTGATGTGGGATATAAGGAGCTG
ACACGACCGTTTCATCAACAAATCCTGCTGCTGTTCCCTGGATCGCTGGTATCTTTGGCGTCGTTGCCG
AAATACTCGAGGCCGCAAGACTGCTGCAGCCACATTCGCAATATCTGCAAAATCAATCCTCCAT
GGGAACAGGGGTACCCTGATGATGCTCTTCCAGTTCTACGCAGCCAAGTGTCCGGATACTGTGATCAAT
CTGCTGTGCAACGTTCTTCATGTGAGAGAGTGGCAGATCATCACCAATCCACCAAAACCCGAGTGTGG
CAGTCGCTCTGTACTTCTACAAGACGAGTATGTCTAACGTCAGCTATTGCTACGGCGCAATGCCAGAGTG
GATCAAAAAACAACGCTTGTGAATCATCAGCAAGAAAGCGATAATTTTGAGTTTGAACCATGGTGCAG
TGGGCCTATGATAATAACATCCCGATGAAGCAGAGGTTGCATACGGTTACGCCTACTGGCCGATGATG
ACACTAACGCTGCGCCTGGCTGAAGTGTAAACAATCAATTTAAGTACGTGAAAGATTGTGTGCAAAATGGT
TGCTATGTACAAGAGGTACGAGATGCGGAACATGACAATCGGGCAGTGGCTCGTGAATGCGGCGAGCGA
GTTACTGAGGAAGGAAATGGAAAAACATCATCAACTTCTTGAATACCAAGAGATTTCCATCGTGGCAT
TTCTCACTACTCTCAGATATTTCTTGCAGGGGAGACCGAAGAAAACTGTCTCGTATCTGGGGCCACC
TGACACCGGTAATCTATGTTCTGTTATCCCTGATTAATATACTCAGGGCAAGGTCGTTTCTTTTGT
AACAGCCGGTCCCAGTTCTGGCTGCAGCCCTGGTGGACGGAAAAATTGGACTCATTGATGACGCTACAT
TCGCTTGCTATCAGTATATGGATGTATATGCGGAACGGTTGGATGGCAACGCCGTGAGTGTGACGT
CAAACACAAGGCTCCCATCCAGCTGAAACTGCCTCCCCTTCTGCTTACATCTAATATCGAAGTCCACGCC
GAGGCCCGCTGAAGTACCTCCACAGTCGCATACAGGAGTATAAGTTCCCAACAAACTCAGGCTGGATG
CAAACGGGAATCCGATCATTACGATAACCGACGCTGATTGGAAAAAGTTTCTTCTCAAAGCTGTGGAAGCA
ACTGGACCTCGGAGATCCTGATGACAGTTCTGACGGCGATCCGGGCAGGCCCTTCCGGTGTGCGCACGG
CAGGCCACTGGAGATCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101770 representing YP_656500
Red=Cloning sites Green=Tags

MEDKDNKGTSPHICDYNAIDFIDAEAAEELDPLEAVLEESDGTDISDLIDNTEEPDEGNSLALLNKQQL
EDDTQQLKILKRKYFSPSPKQQAVIDLSPRLQQLRVSSQGSSKRRLVFEDSGLGNETEDSVTEVAKVASE
QPLSCNPGEPETNEDVSTDVETRSGGPCGGTTTTNNNSNNNCIDLLHSSNREATAYAKFKATFDVGYKEL
TRPFISNKSCCCSWIAGIFGVVAEILEAAKTLLOPHCEYLQIINPSMGTGVTVMMLFQFYAAKCRDVTIN
LLCNVLHVREWQIITNPPKHRVAVALYFYKTSMSNVSYCYGAMPEWIKKQTLVNHQQESDNFEFATMVQ
WAYDNNIRDEAEVAYGYASLADDDTNAAAWLKCNNQFKYKDCVQMVAMYKRYEMRNMITIGWLKCGER
VTEEGNWKNIINFLKYQEISIVAFLLTLLRYFLQGRPKNCLAIWGPPDTGKSMFCYSLIKYTQGGVVSVFV
NSRSQFWLQPLVDGKIGLIDDATAFCYQYMDVYMRNGLDGNVSVDVKHKAPIQLKLPPLLLTSNIEVHA
EAPLKYLHSRIQEYKFPNKLRLDANGNPIITITDADWKSFFSKLWKQLDLGPDSSDGDGPGRPFRCAR
QATGDL

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_008189

ORF Size: 1908 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_008189.1](#), [YP_656500](#)

RefSeq ORF: 1908 bp

Locus ID: 5177020

MW: 71.7 kDa