

Product datasheet for **VC101952**

E1 (NC_001591) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_001591) 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 VC101952 represents NCBI reference of NP_041834 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGACGATAAAGGGACTGACCCCAAGGAAGGCTGTTCTGAGTGTTTCATTGACAATGAGGCAGATT
GCAGTGATCTCGAAAACGACCTTGAGCAGCTTTTTGATGAAAGCCCAAATCCAACATTAGTAACCTGCT
CAACGACGAGGAGGAGCTGGAACAGGTAACAGCAGAGACCTCCTGAGGCAACAGGAGTTCGAGGAGTCC
GCCGAGCAAGTTCAGAAGCTTAAACGCAAGTATTTTTACCAAAGGCTGTCCAGCAGCTTAGTCCCAGGC
TTCAGAGCATGTCTATTTCCCTCGCCAGAAATCAAACGCAGGCTTTTCGAGGAGGATCCGGTTTGGAA
ACTTTGAGTCTGGAACAGAGCCTTACCAACGAAATCGAAGATACTCCAGCCGAAGTGGAGTCCCAGCT
GCCACACCCGCCAACAAGGAGGGCAAGGGGAAGGAAATCTGCATTATAAGGAGCTGATGAGATGCAATA
ATAGTCGGGCAAACTTTTGGCAAGGTTAAAGAATATTTGCGCGTGGGTTTCTATGAATCGCCCGCCA
ATACAAGTCTGACAAGACTTGTGTAAGGATTGGGTGATCGCCGCTTATGGTGTTCGCAAGAAGTGGTG
GAGAGTGCCAAGCAGCTGCTGCTCAATCACTGCTCCTACGTGTGGATCAATATAAACGGAATCATGACCC
TCTATTTGCTTTGCTTTAACCATGCTAAGAGCCGGGAGACAGTTGGGAGACTCCTGATGAGCATCTGGA
CGTGCAGCTGCTGCAGCTGATCTGCAACCCGCTAAGCTGCGGTCTGTTGTGTCAGCTCTGACTGGTAT
AAGGGATCCATGGATTCCAGCGTATACGCCATGGAGCCTATCCAGACTGGATTGTGAACAGACCATGA
TCTCCATCAGGCTGCCGAGATGCTATGCAGTTTGTGTTGTCAGAGATGATACAGTGGGCATATGATAG
TGACCTGACCGACGAGGGCGACATTGCTTACCTGTATGCTAAAATGGCAAATCTGACTAATGCGCGC
GCTTGGCTCGCCATAATAATCAGGCTCGGTACCTTCGAGAATGCGCTCAGATGGTCAGGACTACCGCA
GGGGGAAATGCGAGACATGCTCCATGAGTGAATGGATCCATCACCGAATTCAGCAGGTAGAGGGAGAGGG
GCACTGGAGTGAATCGTCAAGTTTATTAGATTTCAAGAAATCAACTTTATCATTTTTTGGATGCCTTC
AAGCAGTTCATTCACGGCAAGCCCAAGAAGAGCTGCCTCCTGATTCACGGACCACCCGATTGTGGCAAAA
GCATGTTTGCCATGTCTGCTCAAGTTTCTGAAAGGCAAGGTGATCTCCTTCGCAATGCCAAGAGCCA
GTTCTGGCTGTCTCCCTCAGCGAATGTAATAATCGGTCTCCTTGATGACGCAACAGACCCATGCTGGCAG
TACATCGACACCTATTTGAGAAACGGCTGGACGGAACGTGGTGTAGACTGCAAACATAAAACGC
CGATGCAGATCCGGTTTCTCCATTGCTGATCACAAAGTAATTATAACATAAAGGCGAAGACAAAATACAA
GTTTCTACTCTCGGATTGCCATCTTCGAGTTTAAAGCAAGTTTCCCTTAAAGGAAGACGGGACACCC
GTGTTCCAATGACAGACCAGAGTTGAAAAGTTTTTTCGAACGCTGTGGACCCAGCTTGAAGCTTCCG
ACCCGGAGGATGAGGCTGATAATGGCGGCACACAGCGGAGCTTCAATGCACTACAAGGGACGCTCAACGG
CCATCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101952 representing NP_041834

Red=Cloning sites Green=Tags

MADDKGTDPEKGCSEWFIDNEADCSLENLEQLFDESPKSNISNLLNDEEDVEQNSRDLLRQEFEEES
AEQVQKLKRKYFSPKAVQQLSPRLQSMSISPRQKSKRRLFEEDSGLLESLGLEQSLTNEIEDTPAELEVPA
ATPAEQGGQEGNLHYKELMRCNNSRAKLLSKVKEYFVGIFYELARQYKSDKTCCKDWVIAAYGVREELV
ESAKQLLLNHCSYVWININGIMTYLLCFNHAKSRETVGRLLMSILDVQLLQLICEPPKLRVVSALYWY
KGSMDSSVYAHGAYPDWIVNQMTISHQAAADAMQFDLSEMIQWAYDSDLTDEADIAYLAKMANSDSNAR
AWLAHNNQARYLRECAQMVRRYRRGEMRDMMSSEWIHHRIQQVEGEGHWSEIVKFIREFQEIFLDAF
KQFIHGKPKKSCLLIHGPPDCGKSMFAMSLKVLKGVISFVNAKSQFWLSPLSECKIGLLDDATDPCWQ
YIDTYLRNGLDGNVVSVDCKHKTPMQIRFPPLLIITSNYNIKANDKYKFLYSRIAIFEFKHKFPFKEDGTP
VFQLTDQSWKSFFERLWTQLELSDPEDEADNGGTQRSFQCTTRDVNGHL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001591

ORF Size: 1827 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_001591.1](#), [NP_041834](#)

RefSeq ORF: 1827 bp

Locus ID: 1489442

MW: 70.1 kDa