

Product datasheet for **VC101813**

E1 (NC_001352) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_001352) 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 VC101813 represents NCBI reference of NP_077118 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGACTCAGAGGGACCGACGGTACCGAGGAGGATGGTTGCCGGCGGGGGCTGGTTTCACGTTG
 AAGCTATCATTACCCACGGTCAGCGGCAGGTATCATCAGATGAAGACGAGGACGAGACCGAGACCGGCGA
 GGACCTCGACTTCATCGATAATCGCGTCCCGGTGATGGACAAGAGATTCCTCTGCAGCTGTACGCACAA
 CAAACTGCCAGGATGATGAAGCCACAGTGCAGGCCTTGAAGCGCAAGTTCGTCGCTTCCCTTTGTCCG
 CCTGCTTTGCATCGAAAACGACCTGTCCCCCGGCTGGACGCCATCAGTCTCAATCGGAAATCTGAGAA
 GGCTAAGCGCAGGCTTTTCGAGACCGAGCCTCCCGACAGTGGATATGGCAATACACAAATGGTGGTGGG
 ACACCGGAAGAGGTCACCGGCGACGAGGAATCTCAGGGTGGGAGACCTGTGGAAGACCAGGAAGAGGAGC
 GCCAAGGCGCGATGGCGAGGCTGATCTCACAGTGCATACACCGCAGTCTGGCACAGATGCAGCTGGGTC
 TGTCTGACCTTTGTTGCGAAGTAGCAACCTGAAAGCGACACTTCTGAGCAAAATTAAGACCTGTTTGGC
 GTAGGCTTTTACGAACTCGTGCGCAGTTCAAAAGCTCTAAGACCGCCTGCGCCGATTGGGTAGTGTGCG
 CCTACGGGGTATATTACGCGGTGCTGAAGGACTCAAGAAACTGATCCAACCACACCCAGTACGCCCA
 TATCCAGGTGCAGACCTTTCTTGGGCGATGGTCGTTTTTCATGCTCCTCCGCTATAACTGCGCAAAGAAC
 CGAGACAGTGTCTCAAAAATATGAGCATGCTTTTGAACATTCCTGAGAAGCATATGTTGATAGAGCCCC
 CTAAGCTGCGCAGCACACCGGCTGCGCTTTACTGGTACAAAACAGCCATGGGAAATGGTTCGAGGTGTA
 TGCGGAAAACACCTGAATGGATCGTGCAGCAACCTTGTGGGACATTCAATGGAGGATGAACAGTTCAGG
 CTGAGTGTGATGGTGAATATGCATACGACCACGACATTGTGAGGAAAGCGTGCATCGCATTGAGTACG
 CACAGCTGGCCGATGTAGATGCCAATGCGGCTGCATTCTGAATTCTAACTGCCAGGCTAAGTATGTGAA
 AGATGCTGTACCATGTGCCGACATTACAAGAGGGCCGAGAGGGAGCAGATGTCTATGTCACAGTGGATT
 ACCTTTAGGGGAAATAAGGTGTCTGAAGAGGGGATTGGAAGCCAATTGTTAGATTCTGCGGCACCAAG
 GCGTGGAGTTCGTGAGCTTCTGGCTGCATTTAACTGTTCTTGAAGGAGTCCCGAAAAAGAAATTGAT
 CGTTTTTATGGACCTGCCGATACAGGGAAGTCATACTTTTGCATGTCCCTTTGCAATTTCTTGGGGG
 GCTGTTATCTCATACGCTAACTCAAGTTCACACTTTTGGCTTTCAGCCTTTGAGTGACTCCAAGATTGGC
 TCCTGGACGACGCCACCCACAGTGTGGTCATATATTGACATCTACCTTAGGAACCTGCTCGACGCCA
 CCCCCTTAGCATTGATAGAAAGCACAAAACCTCTCTGCAGCTCAAGTGTCCCCCCTCATGATCACCACA
 AACACAAAACCTCTGGAAGAGGACCGCTGGAAGTACCTCCGGAGTAGACTTACAGTTTTTACATTTAAGA
 ATCCTTTCCCATTCGCTTCCCCGGCGAGCCGCTGTACCCGATCAATAATGCCAATTGGAAGTGCTTTT
 TCAGCGGTCTTGGTCTCGACTGGATCTCAACTCTCCCGAGGAGCAGGACGACAACGGAAACACCGCGAG
 CCATTTCCGGTGCCTTCTGGAGATGTGGCCAGAACCGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101813 representing NP_077118
Red=Cloning sites Green=Tags

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MEDSEGTDTGTEEDGCRAGGWFHVEAIITHGQRQVSSDEDEDETEETGEDLDFIDNRVPGDGQEIPLQLYAQ
QTAQDDEATVQALKRKFVASPLSACSCIENDLSPRLDAISLNRKSEKAKRRLFETEPDSDSGYGNTQMVVG
TPEEVTGDEESQGGRPVEDQEEERQGGDEADLTVHTPQSGTDAAGSVLTLRSSLKATLLSKFKDLFG
VGFYELVRQFKSSKTACADWVVCAYGVVYAVAEGKLLIQPHTQYAHIQVQTSSWGMVVFMLLRYNCAKN
RDSVSKNMSMLLNIEKHMLIEPPKLRSTPAALYWKYKAMGNGSEVYGETPEWIVRQTLVGHSMEDEQFR
LSVMVQYAYDHDIVEESVLAFEYAQLADVANAFAFLNSNCQAKYVKDAVTCRHYKRAEREQMSMSQWI
TFRGNKVSEEGDWKPIVRFRLRHQGVFVSFLAAFKLFLKGVPKKNCIVFYGPADTKGSYFMSLLQFLGG
AVISYANSSSHFWLQPLSDSKIGLLDDATPQCWSYIDIYLRNLLDGHVPSIDRKHKTLLQLKCPPLMITT
NTNPLEEDRWKYLRSLTVFTFKNPFPPASPGEPLYPINNANWKCFQRSWSRLDLNSPEEQDDNGTGE
PFRVCVPGDVARTV
    
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TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001352

ORF Size: 1929 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_001352.1](#), [NP_077118](#)

RefSeq ORF: 1929 bp

Locus ID: 1489227

MW: 72.4 kDa