

Product datasheet for **VC101857**

E1 (NC_014952) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_014952) 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 VC101857 represents NCBI reference of YP_004169265 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGACCCCAACAAGGGAACAGAAACGTTTGCCAATCTGAACAATGTAAACGACTGGTTCGTGCACG
 AGGCCGAATGTGTAGATGGGCTCCAGTCCCTGGATGACCTCTTCGAGGAGACACCAACGGAAGTGTAT
 CTCAAACCTCATCGATGATGACGACCAGGTGGACGAGGAAATAGTCTGGCCCTGTTCAACGCGCAGGTG
 ACAGAGGATAGTATAGGGCCGACTCTTCTTAAGCGAAAGTACATAAACTCACCGGAAAGAAGCTTGG
 CCGACCTTAGCCACAGCTGGAGGCTGTTGCGATCTCCCCCGCAAGCCTCCGAAAAAGCGCCTGTTGCA
 GGACTCTGGAGTGGGGGAGGACGAAGCCGAGAATAGCAATGAGCTTCTCAGGTCGAAGAGTGAACGTT
 TCTAACAAACGCCGTGGTGGAGAATGGGGCCGAATCAACGATATCCTGAACTGTAATAATAAAGGGCCG
 TGATCCTGGCGAAGTTTAAAGGAGAAGTTCGGCGTTCCTATGGGGAAGTACCAGGGCCTTTAAAGCGA
 GAAGACCTGCAACGAACAATGGATCATTACAGTGTATAATGTCTCCGAAGAGGTCATACAAGGGAGCAAG
 ATTATACTCCAGCAGCACTGCACCTTTATCCAATGATCAACTTTGATTTTTAGTTTCTGTATCTGGTCA
 GTTTTAAAGTGCCAAGAATAGGCTGACTATAGTGAAGCTTATGGGACAGATTCTCAATTGTACCGACTG
 GCAAGTGTCTGTGACCCACCGAAGATTAGGTCGCGCCAGCCGCTTTTTATTTCTACAAAAAGTCATTC
 ACAAACACCAGTTTTGTCTTCGGGCAATGCCGGACTGGATTCTCAAACACTGCATTGTCAATCACCAAA
 TGGCGTCAGCCGCTGAAAACCTTTCAGCTCTCTAAGATGGTGCAGTGGGCTTTTGACAATGAATGGACTGA
 AGAGGCAGAGATAGCCTTCCACTACGCTCTGCTCGCCGACGAAGACTCCAACGCTTCTGCATTTCTTAAC
 TCAAACACAGCAAGATACGTGAGGACTGCTGCCACATGGTCAAGTTGTATCGCCGCCAGCAGATGA
 AACAGATGACTATTGGCCAGTGGATCCGCAAGTGTGTGAAAAAGTAGACGACAATGGCAACTGGAAAAAC
 GATCGCCAACTTCTGAGATTCCAGAATGTGACTGATCAGCTTCTGATAAACCTGAAAAATTCCTC
 AAATGCATCCCAAAGAAGAACTGTATGCTCTTCTACGGCCGCCCGATACAGGCAAACTACTTTTGT
 ACACCCTTTTGTCTTCTGCACGGGAAGGTGATTTCTTTTATGAACAAATCATCAGTGTTTTGGCTGCA
 GCCTCTGAAGGATTGTAAGATTGGGCTTCTGGATGACGCTACTTACCAGGCGTGGCTTTTTATTGATGTG
 AACATGAGAGGTGCCCTGGACGGTAATGATATTAGCCTGGACGCAAAAGCACAAGGCGCAACCCAGACCA
 AACTGCCCCACTGATGGTCACCTCCAATCATGATGTTTTCAATGACCAGAGCCTGCTGTATCTGCACTC
 CAGACTGATCCCGATTAACCTTCCAAACAAGATGCCAATTAATGATGACGGAACACCCGTGTACAAATC
 AATGACGCCACATGGAAGCTTCTTACAAAGTTGGCTGTCCAGCTGGACCTCAATCTCGACGAGGAGG
 GCGACGAAAGCGGAGGTGCCGACCAGGCGTTTAGATGTACCGCCGGTCCGACGGCAGAGTCCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101857 representing YP_004169265
 Red=Cloning sites Green=Tags

MGDPNKGTEFANLNNVNDWFVHEAECVDGLQSLDDLFEESTNGSVISNLIIDDDQVDEGNLALFNAQV
 TEDSDRAVLFLLKRYINSPERSLADLSPQLEAVRISPRKPPKRLFEDSGVGEDEAENSNELSQVEECNV
 SNNAVVENGAINDILNCNNKRAVILAKFKEKFGVYPYGELTRAFKSEKTCNEQWIITVYVNSEEVIQGSK
 IILQQHCTFIQMINFDFSVLYLVSFKSAKNRLTIVKLMGQILNCTDWQVICDPPKIRSAPAAFYFYKKSF
 TNSFVFGQMPDWILKHCIVNHQMASAENFELSKMVQWAFDNEWTEEAEIFHYALLADEDSNASAFLN
 SNQQARYVRDCCMHVKL YRRQMQM QMTIGQWIRKCEKVDNNGNWKTIANFLRFQNVTLISFLINLKTFL
 KCIPKKNMFLFYGPPDTGKSYFCYTLISFLHGKVISFMNKSSVFWLQPLKDKIGLLDDATYQAWLFIDV
 NMRGALDNDISLDAKHKAPTQTKLPLMVTSNHDFVNDQSLLYLHSRLIPINFPNKMPINDDGTPVYKI
 NDATWKSFFTKLAVQLDLNLDDEGDESGGADQAFRCTAGRTAESL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NC_014952

ORF Size: 1815 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_014952.1, YP_004169265](#)

RefSeq ORF: 1815 bp

Locus ID: 10146721

MW: 68.8 kDa