

Product datasheet for **VC101805**

E1 (NC_001357) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_001357) 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 VC101805 represents NCBI reference of NP_040312 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGATCCCAGGGCACTGATGGCGAGGGCACAGGATGTAATGGTTGGTTCTATGTGCAAGCCATCG
 TGGATAAAAAAACTGGAGATGTTATTTCTGACGACGAAGATGAGAATGCCACCGACACTGGCAGTGATAT
 GGTTCGATTTTATAGACACCCAGGGGACATTCTGTGAACAAGCTGAGCTGGAGACTGCACAGGCTCTGTTC
 CATGCCAGGAGGTGCACAATGATGCCAAGTACTGCACGTCCTTAAAAGAAAGTTTCGGGGGGGCAGCA
 CGGAAAAATAGTCCCCTCGGCGAGAGACTGGAAGTCGACACCGAACTCTCCCCAGGCTCCAGGAGATCTC
 CCTAATTCTGGACAGAAGAAGGCAAAACGGCGACTGTTCAAAATTTCCGACTCCGGCTATGGATGTAGC
 GAGGTCGAGGCTACCCAGATCCAGGTTACAACCAATGGAGAGCACGGCGAAACGTGTGCTCCGGAGGGT
 CTACCGAGGCCATAGATAACGGCGGGACAGAGGGCAACAATTCCTCCGTGACGGCACCTCAGACAACCT
 AAACATCGAGAAGCTGAATCCACAGTGCACGATTGCTCAACTGAAAGACCTGCTGAAGGTTAATAACAAG
 CAGGGCGCTATGCTCGCAGTGTTAAGGACACCTATGGACTTAGCTTTACTGATCTGGTTGAAAATTTCA
 AATCCGACAAGACCATTGCACAGACTGGGTTACGGCTATTTTTGGCGTTAACCCGACAATTGCCGAAGG
 GTTCAAACTCTTATCCAGCCGTTCACTTGTACGCACACATAACAATGCCTCGATTGCAAGTGGGGAGTG
 CTGATCCTGGCACTTCTGAGGTACAAGTGTGAAAAGTCTAGGCTGACTGTAGCTAAAGGCTTGAGCACAC
 TTGGTACCGCACTGGAATCAGTAACATCTCTGAGGTGATGGGAGACACCCCGAGTGGATTACAGAGACTC
 ACAATCATACAGCACGGCATTGACGACTTAATTTTACTTGGAGAAATGGTGCAGTGGGCTTTTGACA
 ATGAACGTGACCGATGAATCCGATATGGCCTTTGAATATGCACTGCTCGCAGATAGTAATTCTAACGCCGC
 CGCATTCTGAAATCTAACTGTCAGGCCAAGTATCTCAAAGACTGTGCCACTATGTGCAAGCATTACCGG
 CGCGCCCAAAAGCGGAGATGAACATGTCACAGTGGATCAGGTTCCGGTGTTCGAAGATAGACGAAGGAG
 GCGATTGGAGGCCGATCGTGCAGTTCTCCGGTACCAACAATCGAGTTTATAACGTTTTTGGGTGCCTT
 GAAGTCATTTCTCAAAGGCACCCCAAAGAAGTGTCTGGTTTTCTGCGGACCGGCGAACACCGGCAAA
 TCTTACTCGGCATGTCATTATCCATTTCAAGGAGCTGTTATTAGTTTTGTGAATCCACGTCCTC
 ACTTCTGGCTCGAGCCTCTGACCGACACTAAAGTCGCTATGCTGGACGACGCGACAACCACATGCTGGAC
 TTATTTTGACACATACATGCGGAATGCCCTCGATGGCAACCCATAAGCATCGATAGAAAGCACAAAGCCT
 TTGATTCAGCTTAAGTGTCCCCCATCCTGCTGACAACCAACATTCACCCAGCTAAGGATAACAGGTGGC
 CGTATCTGGAGAGCCGCATCACAGTATTTGAGTTTCCCAACGCTTTCCCTTTTGACAAGAACGGAACCC
 TGTTTACGAGATCAACGACAAAACTGGAAATGCTTCTCGAGCGCACCTGGTCTCGATTGGATTGGAC
 GAGGAGGAGGAAGACGCTGACACTGAGGGCAACCCATTCGGCACCTTCAAGCTGCGGGCTGGCCAGAACC
 ATCGCCCGTTG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC101805 representing NP_040312
Red=Cloning sites Green=Tags

MADPEGTDGEGTGCNGWFYVQAI VDKKTGDVISDDEDENATDTGSDMVDFIDTQGTFC EQAELETAQALF
 HAQEVHND A QVLHVLKRKFAGGSTENSP LGERLEVDELSPRLQEISLNSGQKKAKRRLFTISDSGYGCS
 EVEATQIQVTTNGEHGGNVCSGGSTEADIDNGGTEGNSSVDGTS DNSNIENVNPQCTIAQLKDLLKVNK
 QGAMLA VFKDTYGLSFTDLVRNFKSDKTTCTDWVTAIFGVNPTIAEGFKTLIQPFILYAHIQCLDCKWGV
 LILALLRYKCGKSRLTVAKGLSTLLHVPETCMLIQPPKLRSSVAALYWYRTGISNISSEVMGDTPEWIRL
 TIIQHGI DD SNFDLSEM VQWAFD NELTDES DMAFEYALLADSNSNAA AFLKSNCQAKYLKDCATMCKHYR
 RAQKRQMNSQWIRFRCSKIDEGGDWRPIVQFLRYQQIEFITFLGALKSFLKGT PKKNCLVFCGPANTGK
 SYFGMSFIHF IQGAVISFVNSTSHFWLEPLTDTKVAMLD DATTTCWYFDTYMRNALDGNPISIDRKHK P
 LIQLKCPPILLTTNIHPAKDNRPYLESRITVFEFPNAPFPDKNGNPVYEINDKNWKCFFERTWSRLDLH
 EEEEDADTEGNPFGTFKLRAGQNHRL

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NC_001357

ORF Size: 1971 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_001357.1](#), [NP_040312](#)

RefSeq ORF: 1971 bp

Locus ID: 1489084

UniProt ID: [P06463](#)

MW: 73.7 kDa