

Product datasheet for **VC101934**

ORF E1 (NC_001354) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORF E1 (NC_001354) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORF 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 VC101934 represents NCBI reference of NP_040287 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCCCGGTATCAGACACTGAAATGGCAATGAGAACAAGGAGAATGAGGGGACCGTAGCCAGCG
ATCATAGCGAAGCCCGGTAGTTACATCCTGTTGAGGCTGAATGCTCAGACGGAGCGACGATGAGGA
GTCATGGAGGACAGTCTGGTCGAGGACCTCGTAGATGATGCTAGCGTCCACCAGGGTAACCTCACTGAGC
CTGTTCCATGCCAGACCGTAGAAGAATACGAGGGCGAAATACAGAGCCTTAAGCGGAAATTCATCCTGT
CCCCACTGCACAGAGATGTCGCCGAACCTCCCCAGGCTGGCCGGTGTGTCCCTCGAAGAAAATAGGGG
GAAAAAGCCCGCAAGTCCCTTTTTCATGACGATTCGGCATCGATCCAGTGCAGTGCAGGTGTCACAG
CTCTCCAGCACTCCGTCGCGCCCGGCCCTGATATCCGGTCCCAAGCCCTCTGACATTGATCTCGAGC
CTCTTCCAGTCAAGACAGCGGTGCACTCACATGTATAGTAAGTTTAAGGCTGTATACGGGTAAGCTT
TACTGATATTACAAGCCGTTCAAGAGCGATAAGACCACAAGTCAAGCACTGGGTGGTGGCTGCTACTAT
CTGGCGTTTGATTGAGAAATCAGTGCCATGGAAGTGTGCTCCGACAGCAGTGTGAGTCCCTGTATATCG
ACAATAACGACGGTATCATACTGTTCTTCTGGAGTACAATGTGCAAAAATCTCGAACTACCGTCTATAA
TTGGTTCCTGCAACTTTCATTACAACGAAAATAGGATGCTGGCCAATCCACCCAGAACCGAAGCATG
CCTGCAGCCCTGTTTTCTACCACCGATTTATGGGCACCGCGGTATCAAGCAGCGCGGATGCCAGAAA
TCATTGTTAATCAGTGCCTGGTCAAGTACCAGCAGACCGACACCTTCGAGCTTCCCGCATGGTCCAGTG
GGCTCTGGATAATGACCTGCAGGACGAGCAGTGTGGCACTCGAGTACGATTGTTGGCCGAGAGCGAC
GGGAACCGGAGAGCCTTCTCAAACAGAAACACAGCCAATGATTGTGAAAAATTGCTCATTATGGTTA
GACATTATAAACTGCGTTGGTGGCGAAAATGTCAATCTCACAATACGTTAATAAAAGGTGCTGGATCA
CGGGGAGCGGACGAAAATTCCTGGAGGGAAATTGTGATTTCTGAGATACCAGGGCCAGGAGTTCCTC
CCTTTTATGTGCAAGATGCATAACTTCTGCACCACAGACCGAAAAGAGCACACTTGTCTCTGTGGTC
CATCTGACACCGGCAATCTTACTTTGCTAATGGGTTGAACAAGTTCTGGACGGGCACGACTGTCTCT
CGTAAGTAACGGTAGTCACTTCTGGCTCTCCCACTTCGAGGCGCCCGGTGTTGCTTGATTGACGACGCC
ACCCTCACATTCTGGCGGTATGCAGATCAGAACATGAGGGCACTGCTGGATGGATATGAAATTAGTATCG
ATGCCAAACACCGAAATCCCATGCAGACAAGGGCACCACTCTGATAATCACAACCAACGAAGATATTAT
GAGGCTGGACGAATTAAGTACCTCCAGACCAGAAACAATGTACGTGACTTTAATAAACCCCTCCCACTG
AAGGGCAACGGACAGCCACTCTATTATATAGACGGATATACGTGGAACAGCTTCTCCGGAAATCTGGC
GACACCTAATCTCAAGGATCCGGAAGATGAAAGCGACGGTAAACTCCTGGCACCATCCGACTGTATAC
GCGAGCCGATACTGATACTATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101934 representing NP_040287

Red=Cloning sites Green=Tags

MASRVSDTGNNGENKENEVTVASDHSEARCSYILFEAECSDDGDEESMEDSLVEDLVDDASVHQNSLS
LFHAQTVEEYEGEIQSLKRKFIILSPLHRDVAELSPRLAGVSLEENRGKKARKSLFHDDSGIDSSAVEVSQ
LSSTPSAPGPDIRLPKPSDIDLEPLFQSRQRCTHMYSKFKAUVYGVSFDTITRPFKSDKTTSQHWVVAAYY
LAFDSEISAMEVLLRQQCQFLYIDNNDGIILFFLEYNVQKSRRTVYVNWFTANFHYNENRMLANPPRTRNM
PAALFFYHRFMGTGGIKHGAMPEIIVNQCVVSNQQTDTFELSRMVQWALDNDLQDEHMLALEYALLAESD
GNARAFLLKQNNQPMIVKNCSIMVRHYKTALVAKMSISQYVNRKCLDHGEADENSWRGI VHFRLRYQGQEF
PFMCKMHNFLHHRPKKSTLVLCGPSDTGKSYFANGLNKFLDGHVLSFVSNGSHFWLSPLRGARCCLIDDA
TLTFWRYADQNMRALLDGYEISIDAKHRNPMQTRAPPLIITTNEDIMRLDEFKYLQTRTMYVYFNKPFPL
KGNQPLYIDGYTWSFFRKFWRHLNLKPEDESGETPGTIRLYTRADTDTI

TRTRRLE**QKLISEEDLAANDILDYKDDDDK**V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001354

ORF Size: 1842 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_001354.1](#), [NP_040287](#)

RefSeq ORF: 1842 bp

Locus ID: 1489277

MW: 70.3 kDa