

Product datasheet for **VC102009**

E1 (NC_010329) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E1 (NC_010329) 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 VC102009 represents NCBI reference of YP_001672010 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGATCCAAATAAAGGAACAGACACCACCGATAACTTCGATTGCAACTCAGAGTGGCTCCTGGTCC
ATGAGGCGGAATGCGTCGATGACCTGGATGTGTTGGATGAGCTGCTGGAAGAAAGTACTCAGTGTAGCAC
TGTCAGCAATCTCATAGACGATGACCCCGTAGACATCGAAGACCAGGGTAACTCCCTCGCTCTTTTCAAT
TCACAGGTGACCGAGGACTGTAATACTGCAATCTCCGCACTCAAGAGAAAGCTGATCAAGAGCCCTCAGC
TCCAGACCGTGGCTGAGCTTAGTCCGAGATTGCAGGCTGTGAGCATTAGTCCAAAAACAGTCTAAACG
CCGCTGTTTCGATGACTCCGGCATAGGGGAAGACGAAGCCAGAACACATCACAGGTGGCCCTGGACAGC
CTGGAATCCTCATTGAAACAAGCGGGGCCGCTTACGATTAACCTGCTTCACTGTAGTAAATAGACAGG
CCACTGTGCATTTGAAATCAAAGAGCTCTATGGAGTGCATTCAAGGAAGTACGAGAACTTCAAGTC
CGATAAGTCTGCAGTAACTCATGGTAATCGCTGTGTACAATGCAGTTGAAGAAGTCTGGAAGCATCT
AAAGTTACAGTGCAGAAGCATGTCGAGTCTTGCAGCTTATCGTGTACGGATTCCATGGACTTTATCTGA
TTGTGTTTAAAGAGACCAAGAACCAGCACAGTGTCAAACTTTTACCAGAAATGCTTAAACGTCATGC
TCTTCAGCTGATGTGTGACCCACCCAGGACACGCTCAGTGCCTGTGCGATTGTTCTTTTACCAGCAAGTCC
CTGGGCAACCGGAGTTTTATGTACGGTGAAGTCCCAGATTGGATCAAGAAGCAGACCCTGGTCAACACC
AGTCAGCCTCCGCCCGGAGACCTTCGATTTCTCTTCAATGGTGCAGTGGCTTACGATAATGAATTCAC
TGAAGAGGCCGAGATCGCTTATCAATATGCCCTCGCCGACAGCAAGACCCTAACGCAGAAGCTTTCTTG
AAGCATAATAACCAGTACAAATTCGTCAAGGATTGCGCTGCCATGGTCAAAATGTATAGACGGTACGAAC
TCAGACAGATGCTATGGCAGAGTGGATTGATAAATGCTGTTCAAAATGCACCGAAAATGGAAATGGAA
AATCATTGCGACATTCCTCAAACACCAGAACGTACAGTTTCTCTCTTTCTTATTGCCCTGAAACCTTCT
CTTCAGGGGTGCCTAAGAAAAATTGCCTGGTGTTCGTCGGCCACCTGACACTGGCAAGAGCTATTTCT
GTTTTAGCCTTATCCGCTTTTTCGGGGGCAAGTGGTGTCTTCAACAGAAACAGTCAATTTTGGCT
GCAGCCTCTGCAGGATACCAATTTGGGATTCTGGACGACGCTACCCATCCCTGTTGGGTGTACATGGAC
ATCAACCTGCGGAACGGCTGGATGGCAACCTGTCTCCCTTGATGCGAAACACCGCCCGCCGATGCAGA
TGAAGTCCACCATTGTTGGTGAACAATAATGTGGACGTCATGGAAGATCAATCACTGAGATATCTGCA
TTCCCGCCTGGTATGCTTCAAATTTCAAATAAATCCCACTGAATGATGACGGCAGCCTGGTCTACGAG
ATCAGAAACGACACATGGGCTTGTCTTTTCGAAATTCGCTACCCAGCTGAACTTGGTGTCTGAGGATG
GCGAGAATGGCAATACAGGTAACCTCAGACCCGACATTCGCTGCACTGCCAGATGCCATATCGAGTCAAA
T

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102009 representing YP_001672010

Red=Cloning sites Green=Tags

MADPNKGTDTTDFNCSEWLLVDEAECVDDLVLDELLEESTQCSTVSNLIDDDPVDIEDQGNLALFN
SQVTEDCNTAISALKRKLKSPQLQTVAELESPRLQAVSISPKKQSKRRLFDDSGIGEDAEQNTSQUALDS
LESSLETSGAGLTINLLHCSNRQATVHLKFKELYGVSFKELTRNFKSDKSCSNVIAVYNAVEEVLAS
KVQLQKHVEFLQLIVYGFHGLYLIVFKSTKNRDTVSKLFTMLNVNALQLMCDPPRTRSPVALFFYRKS
LGNASFMYGEVPDWIKKQTLVEHQASAAETFDSSMVQWAYDNEFTEEAEIAYQYALAAEDPNAEAF
KHNNQYKFKDCAAMVKMYRRYELRQMSMAEWIDKCCSKCTENGNWKIIATFLKHQNVQFLSFLIALKPF
LQGVPKKNCLVFGPPDTGKSYFCSLIRFFGGKVVVFMNRNSHFWLQPLQDTKLGLDDATHPCWVYMD
INLRNGLDGNLVSLDAKHRAPMQKLPPLLVTNVDVMEQSLRYLHSRLVCFKFPNKLPLNDDGSLVYE
ITNDTWACFFRFATQLNLVLEDGENGTGNSDRTRFRCTARCHIESN

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_010329

ORF Size: 1821 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_010329.1, YP_001672010](#)

RefSeq ORF: 1821 bp

Locus ID: 5896661

MW: 68.9 kDa