

Product datasheet for **VC101946**

E2 (NC_001690) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 (NC_001690) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101946 represents NCBI reference of NP_043419 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCCCGAGACCCAAGAATCACTGTCCACACGCTTCGCTGCTCAGCAGGAGATCCAGCTCACCCCTGA
TAGAGAAGGAAAGCTATGACCTCAAGGATCATCTGGCATACTGAAAGCCGTGCGGCTCGAAAACGTGAT
CGCCTACTACGCGCGCAAAGAGCACATTACTAAGCTTGGGCTGCAGCCACTTCCAACGCTGGCTGTGACA
GAGTATAAAGCTAAGGAGGCGATAAATATCCAGCTGCTTATACAAAGCTTGCTGAAAAGTGAGTTTGCTT
TGGAGAGATGGACCTTGGCTGAAACCTCCGCTGAAACAATTAATAGCTCACCCAGAACTGTTTTAAAAA
AGTGCCCTTCATTGTCAATGTTTGGTTTGATAATGACGAAAGAAACAGCTTCCCCTACACGTGCTGGGAC
TTCATTTACTACCAAGACGACCAGAACAATGGCATAAGACTGAGGGACTGGTGGACCATAACGGTTGCT
ACTACGTCGATCTCAATGGAGACTTTGTGTACTTTACATTGTTCCAACCAGACGCGGTGAAGTACGGAAA
GACCGGTTTGTGGACCGTGCAGTTCAAAAACAAAATATATCCGCTAGTGTACCTCATCCAGCAGAAAT
ACAAATCCCTCTAGCGAGAGCCGCTCGGCTGAGCACTTCTAGCAGCTCAGAAAGTCCCCGCAGACGGC
CAAGTATCTCCGAGAATCCAACACCGAATCACAACCTCCTCAACAAGCAGGCTCAGGGAAAGGCGCAG
AAGAGAGCCAGAGAATCTGGCACTACTGATACTACTCCCGGAGGAGAGGTACGAAACGCAAGTTGGGT
TCCGATAGCGCCCAACACCCTCTGAGGTGGGCAGTCAAGTACCACCCTCGCGAGGCACGGCTATTCTC
GACTTGGACGACTTCAAGAAGAAGCTCGGGATCCTCCTCTGTTGTTTACCAGGACAGCAAAATAACCT
GAAGTGTGGAGAAATCGGTGCACGACAAAATATGCCTCTCTTTTTTTGTGCTTACGAGTGTGTGGAAA
TGGCTCGGACCAATTCGACGGGGTGCAGCAAAAGTGCTTGTGCCTCAAGTCCGATGCTCAACGGC
AGGTGTTTCTGAATACCGTGCATATCCCTAAGGGCACAACAATCACTCTTGGCCGGCTGGACAGTCTG

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

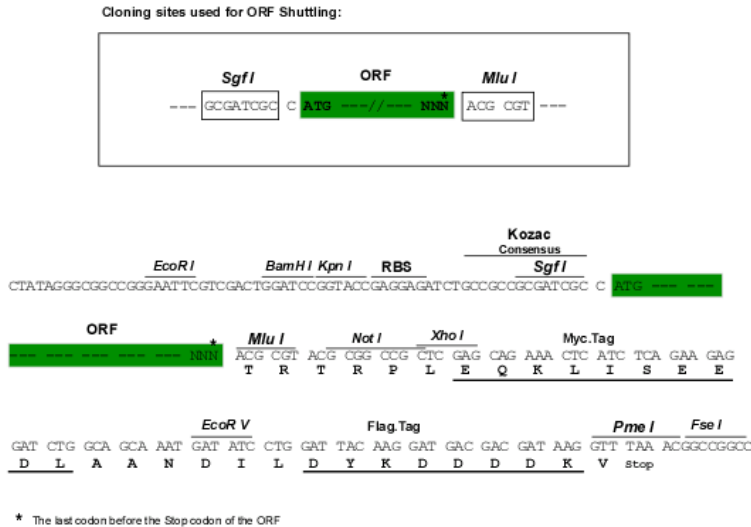
Protein Sequence: >VC101946 representing NP_043419
Red=Cloning sites Green=Tags

MQPETQESLSTRFAAQEIQLTLIEKESYDLKDHAYWKAVRLENIAYARKEHITKLGQLPLTLAVT
 EYKAKEAINIQLLIQSLKSEFALERWTLAETSAETINSSPRNCFKVPFIVNVWFDNDRNSFPYTCWD
 FIYYQDDQNKWHKTEGLVDHNGCYVVDLNGDFVYFTLFQPDVAVKYGKTGLWTVRFKNKTISASVTSSRN
 TNPSSESRLVGLSTSSSESPRRRPSISENSNTESPTSSSTRLRERRRRPRESGTTDTPRRRGTKRKLK
 SDSAPTPSEVGSRSSTTLARHGYSRLGRLQEEARDPPLVLFQGNLKCWRNRCTTKYASLFLCFSSVWK
 WLGPNSDGGAAKVLVAFKSDAQVFLNTVHIPKGTITLGRDLSL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001690

ORF Size: 1188 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_001690.1](#), [NP_043419](#)

RefSeq ORF: 1188 bp

Locus ID: 1403624

MW: 45.1 kDa