

Product datasheet for **VC102018**

E2 (NC_001596) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 (NC_001596) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC102018 represents NCBI reference of NP_041864 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACACTGTCCGCCAGTTCAATGCCTTGAAGAGACATTGATGGACCTTTATGAATCCGGCCGAG
AGGATCTCCAATCTCAGATCGATCACTGGCAGACCCTTAGACAGGAGCAGATCTTCTGCACTACGCTCG
GAAAAATGGAGTGATGAGGTTGGGCTATCAACCCGTTCCCTCCACTCGCAACTAGTGAACAGAAGGCAAAA
GACGCTATTGGCATGGTCTTCTGCTGCAGTCTCTGCAGCGATCCGCTTACGGCCAAGAGCCATGGACCT
TGGCCAGACCTCTCTGGAAGCGGTGAGGTCCCCCTGCCTACGCCTTCAAGAAAGGACCTCAGAACAT
CGAGGTAGTTTACGATGGGGATCCAGATAACGTCATGTCATATACCATCTGGAATTTTATATATTATCAG
ACCGTCAATGATACGTGGGAAAAGGTCCAGGGACATGTGGATTATTCGCGCATATTACTTTGAGGGCA
CGGTTAAGACATATTACATCAACTTCGATAAAGACGCCCGCAGATATGGCAGAACCGGTGTGTGGGAGT
TACGTC AATAAGGATATCGTTTTCGCACTGTCACTAGCTCCAGCCCCCACCAGGTGATGGTGGGGAG
ACTTCCAAGCATACGCTTAGCCGGTCAGGAAGCCCAACTACGTCCCGACTGCCAGCCACAACGGTGCCCA
CTGGAGGTAGCCGGACATCTTCTCGCCGGTATCAGCGCAAGGCAAGTAGCCCAACCACAGGAAAAAAG
GCAGCGCCAGGGTGAGGGGGAAGGCGAGGGGAGAGGGCGAGGAACTAATTACAGGCGGCAAGATCTCGC
AGTAAAGGACGGACAGAGACTGAGAGGGGTGGTGAAGCGCCGAAGAAGGGGCGAGGATTCCTCCGCACT
CTACAACCCCAACCGACCGACGAAGAGGGGAGGGGGGTGGAAGGGGGCCGACAACAAGAAGCCAGAGTAG
ATCTCGGAGCAGGAGCCACTCCAGATCCAGAAGCCCGGTGGGACCGCCAGCCGAGTTGGGGTGTCTCCC
GATGAAGTGGGTACCCGGGTGAGGTCACTGGGCGCTGGTCACTACGGGGCGCTTCCAGACTGCTCGCAG
AAGCCAAGGACCCACTCTGATGCTGCTCCGAGGTGATGCCAATGTGTTGAAGTGTACAGATTACAGGGA
GCGAAAAAAGCGAGGCTCGTGAATACTACAGTACAACATGGTTCATGGGTTGGAGAGGATAGCTGT
GACAGGGTAGGAAGGGCTCGGATGATACTGGCTTTTACACTTATGAGCACAGACAACAGTTCATTCCGCA
CTATGAAGCTGCCCGCACAGTGGACTGGAGTCTCGGTAACGTGGACGACCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC102018 representing NP_041864

Red=Cloning sites Green=Tags

METLSARFNLQETLMDLYESGRELDQSQIDHWQTLRQEQILLHYARKNGVMRLGYQVPVPLATSEQKAK
DAIGMVLQLLSLQRSAYGQEPWTLAQTSLAIVRSPPAYAFKKGPNIEVVYDGDNDNMSYTIWNFIYYQ
TVNDTWEKVQGHVDYFGAYYFEGTVKTYIINFDKDAARYGRTGVWEVHVNKDIFAPVTSSTPPTGDGGE
TSKHTLSRSGSPTTSSLRTPATTVPPTGSSRTSSRRYQRKASSPTTRKKRQRQGEGEGEGETNYRRQRSR
SKGRTE TERGGERRRRGRSSADSTPTDRRRRGRGGGRPTTRSQRSRSRSHSRSRSGGTASRVGVSP
DEVGTRVRSVAGHHGRLARLLAEAKDPLMLLRGDANVLKCYRFRERKKRGLVKYYSTTWSWVGEDSC
DRVGRARMILAFDYEHRQQFIRTMKLPPTVDWSLGNVDDL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001596

ORF Size: 1383 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_001596.1](#), [NP_041864](#)

RefSeq ORF: 1383 bp

Locus ID: 1489479

MW: 52.1 kDa