

Product datasheet for **VC101953**

E2 (NC_001591) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 (NC_001591) 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 VC101953 represents NCBI reference of NP_041835 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGGCCCTCAATGCCAGTTTAATGTGCTGCAGGAGATGCTGATGGACATTTACGAATCCGGCAAGG
AAGATCTGAAACACAGATAGAACACTGGAAGCTGCTGCGGCAGGAACAGGCATTGCTCTTTTTCGCTCG
CAAACACTCAATTATGCGCCTTGGGTACCAGCCAGTGCCGCCATGGCGGTAAGCGAGACCAAAGCTAAG
CAGGCGATTGGAATGATGCTGACACTGCAGTCCCTTCAGAAGTCCCCGTTCCGGAAAGGAAAAATGGACAT
TGGTCAATACCTCCCTGGAGACCTACAATGCTCCACCCGCCAGTGCTTCAAGAAAGGGCCATATAACAT
CGAAGTGATTTTCGATGGGGACCCCGAGAACCTGATGGTGTATACAGCCTGGAAAGAAATCTATTTTCGTT
GACTCTGATGATATGTGCAGAAGGTTCCAGGGAGAGGTCGACTACGCTGGAGCTTACTACAAGGACGGTA
CAATTAAGCAGTACTATGTAACATTTGCTGACGACGCTGTCAGATATGGGACCAGCGGACAGTACGAAGT
TCGCATCAATAATGAAACAGTGTTCACCCGTGACTTCAAGCACCCCCCTTCCACAGGACTTCGGGAG
AGCTCTAATGCTAGTCTGTTACAGATACAGTGGATGAGACTCCAATTCACCACCGCCACAACCACTA
CCTTTAGTACAACACTACAGCTACCGCTACTGCGACAGGAGCTCCCGAGTTGAGTTCAAAAACCGGGACCCG
GAAAGGCAGATACGGACGCAAGGATTCCTCACCTACGGCTGCATCAAATTCGAAAGGAAGTCAAGTCGG
AGACGGTCCCCTGCTCGGACCAGAACTAGGCGGCGAGAGGCTCCACGAGTAGGTCGCAAAAGGCTTCCC
GGTCTAGTCCCCTCCAGAAGTACCAGCCGGGCTCCAGAGGGAGCGGGGTAGCGTTACTACCAGTAG
GGATCTTCCCCAAGCGCACTAGGAGAGGTCGGGGACGCGGGGACGGTCAAGACGGTCTCCCACTCCT
ACCTCAACCAGCAAACGCGAGCGGCAGATCACGAAGCCGGGGAGGGGAACCTGTGTCAGGCGGTGTCG
GAATCTCTCCCGACAAGGTGGGCTCTCGAGTCCAGACCGTGTCAAGTCCGCCACCTCGGGCGACTGGGCAG
ATTGCTGGAGGAGCCAGTGACCCTCCCCTGATTCTCCTGCGCGAGATCCCAATATTTTGAAGTGTAC
CGGTATCGGGACAAAAGCGGAACTGGGATTGGTCAAGCATTACAGCACAACCTGGTCTGGGTCGGCG
TCGATGGGAACGAAAGAATCGGGCGCTCCAGAATGCTTCTGCTTACCAGCAATTCTACCAGATCTCA
GTACGTGAAAATTATGAAGCTGCCTAAGGGCGTCGAATGGTCTTTCGGGAACTTCGATAAAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC101953 representing NP_041835

Red=Cloning sites Green=Tags

MEALNARFNVLQEMLMDIYESGKEDLETQIEHWKLLRQEQALLFFARKHSIMRLGYQVPPMAVSETKAK
QAIGMMLTLQSLQKSPFGKEKWLNTSLETYNAPPAQCFFKGPYNIEVIFDGDPENLMVYTAWKEIYFV
DSDDMWQKVQGEVDYAGAYYKDGTIKQYVYTFADDAVRYGTSQGYEVRRINNETVFAVTSSTPPSTGLRE
SSNASPVHDTVDETPSTTATTTTSTTTATATATGAPELSSKTGTRKGRYGRKDSPTAASNSRKEVSR
RRSRSTRTRRREASTSRSQASRSRSRSTSRGSRGSGSVTTSRDSSPKRTRRGRGRGRRSRSPPT
TSTSKRERRRSRSGGEPVSGGVIKSPDKVGSRVQTVSGRHLGRLGRLLLEASDPPVILLRGDPNLLKCY
RYRDKRKLGLVKHYSTTWSWVGVDGNERIGRSRMLLSFTSNSTRSQYVIMKLPKGVESFGNFDKL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_001591

ORF Size: 1464 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_001591.1](#), [NP_041835](#)

RefSeq ORF: 1464 bp

Locus ID: 1489443

MW: 54.7 kDa