

Product datasheet for **VC101886**

E2 (NC_014956) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 (NC_014956) 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 VC101886 represents NCBI reference of YP_004169294 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGTCTGACCGAACGCTTTGACGCAGTCCAGGAAACTTGCTTGAACCTTTCGAGAGTGGTTCAG
ACAATATCGAGGACCAGATCCTGTATTGGAACCTGATGCGGAAGGAGGGGATACTGCTGTATTACGCGAG
GCAGAAGGGCATTAGCCGCTCCGGCCTCCAGCACGTGCCCTCATTGGCTGTCAGCGAGTTCAAAGCGAAG
CAGGCCATTATGATGGCCCTCAGCTTGAGTCCCTCAAGAATTCGAGTTCGGGCGGAAAAGTGGACCT
TGCAGGACACCTCACTTGAGCTGTATAATACCGAGCCCGAACATACCTTTAAGAAGGGTGGCCAGACTGT
CAATGTGTATTATGACAACAATGAACAGAATTACTACCCCTATACTCTGTGGAAGTATATCTACTACCAG
ACAGATAACGACCAGTGGCATAAGGCCAGAGCGACGTGGACTATGAGGGGATTTATTATCAGACAGCCG
ATAACATCAAACACTATTACGTGACATTCGATAAAGACGCCGCTAGATATTCAGACTCCGGTGTGTGGAC
AGTGAAGTACAATAACCGAAATATCTCATCCACAAGCATCACTTCAACAGGGGGCAAGAGTATCTCCTCT
AGCTACCCAACAATCGGAGAGGGTTCCAACACATTGGTGGCTCAAACCTGGCGAGACCAGCCAGGAAGGAC
GCCGCGGGGCTCCCGCGGACAAGTTCAAGTACCCTCGAGGCAAGCGGCGAAAAACCCAGATTTCTGA
ATCCTCCGACACTGCTTCCATTTCTATACAGATGGGGAGGGCAGTCCACCTCAGCTGAGACGGCGCCTG
CGCAGAGGCGGTGAGCAGAGGAAACAGACTACAACGGCCGCGCAGGAGGGGTGGGAAAAGCTCCTACC
CTACGCCCTGAGGAGGTGGGGTCCAGACATCGGAGACCTGAGGGGTCTTACCATTCAAGACTGAGAGAGCT
GCAGGAAGAGGCACGAGATCCTCCAGTGCTCATTGTGAGGGGGTCTGCTAACACGCTGAAATGTTGGAAG
AACAGGTGCAGACAGAAGCATCAATCCCTGTTCCTTATGCTGTCAACGGTATTCTCATGGGTGGCCAAGG
GACCCGAAAGAATTGGGCATCACCGAATGCTCGTCGATTACCAATTCCAGACAGCGGCAGGAGTTCTCT
CACTACTGTCAAGATCCCTAAAGGAACCTCCTTCGCCTTCGGGAACCTGTTCCGGCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



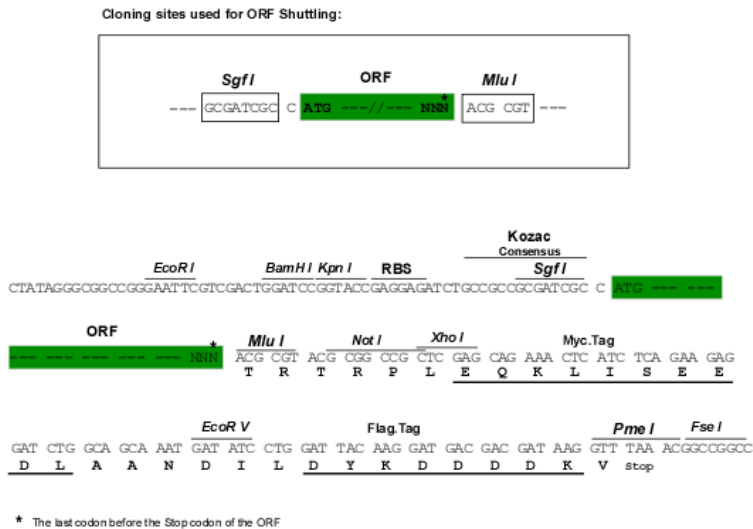
Protein Sequence: >VC101886 representing YP_004169294
Red=Cloning sites Green=Tags

MESLTERFDAVQENLLELFESGSDNIEDQILYWNLMRKEGILLYARQKGISRLGLQHVP SLAVSEFKAK
 QAIMMALQLESLKNSEFGREKWLQDTSLELYNTEPEHTFKKGGQTVNVYYDNNEQNYYPYTLWKYIYYQ
 TDNDQWHKAQSDVDYEGIYYQTADNIKHYYVTFDKDAARYSDSGVWTVKYNRNISST SITSTGGKSISS
 SYPTIGEGSNTLVAQTGETSQEGRRRGSRRTSSSTPRGKRRKTQISESSDTASISYTDGEGSPPQLRRRL
 RRGGEQRKQT TNGRRRRRGGESSYPTPEEVGSRHRRPEGSYHSRLRELQEEARDPPVLIVRGSANTLKCKWK
 NRCRQKHQSLFLMLSTVFSWVAKGPERIGHHRMLVAFTNSRQRQEFLTTVKIPKGT SFAFGNLFGL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_014956

ORF Size: 1248 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_014956.1](#), [YP_004169294](#)

RefSeq ORF: 1248 bp

Locus ID: 10146757

MW: 47.8 kDa