

Product datasheet for **VC101865**

E2 (NC_014953) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 (NC_014953) 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 VC101865 represents NCBI reference of YP_004169273 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATCAGCAAGATCTGACTGAATGTCTCGATGCCCTCCAGAATGCTCTTCCGATATTATTGAAGCCG
ATCCTTCAGATCTGGATTCCATCATCAAATACTATTACTACTTGCAGCAAGTTTCACGTGCTGGAATACTA
TTGCAAGAAGGAGGGATACAGCAATTTGGGGCTCCACCATATTCGCCCCACGAGGGTTCCGAACATAAT
GCCAAGTGGCAATCCAAATGGGGATCGTACTTAAATCATTGGCAAAATCAAATACGCCCGGAGAACT
GGACCCTGCGGATACTAGTTCGACCAATTTGCCAGCCCTCCCAAGAATTGCTTTAAAAAGGAGGGATA
CGAAGTGACGGTATGGTTTGATAATGATCGAGAAAACGCCTTCCCTACATCAACTGGTCTCATATTTAC
TACCAGGATGAAGATGACATGTGCATAAACTAGCGGCAAAGTCGACTATGATGGACTGTATTATGTGG
ACAAGGATGGCAACAAGAGCTACTTTCTGCTGTTCTTGAAGACGCTCGGAGGTATTCTAACAACAACAT
CTGGAGCGTGCCTACAAGAATGAGCACATTTACCTCCCTATCACTTCTCCTCAAGGAGGAGTGATCCC
GGGACTACAGAGAAACCGTATCAACCGCAGATACCACCCGGGATACCTCCCTACTAATGGAAGGTCTCT
CTACTCAGGCCGAAGAACTAGCGCAGGACCAAGTCAGAGAGTCCCACCCTGCGCAGGCGGCAAGAGG
GGCGGAGGGCAGAGCACGGAAGCAAACGCAGGAAATGACGGCCAGACAGTCCGCTGTCCCTTCCCT
GAACAAGTTGGCAAATCTCATAGGTCAATCGGGAGGGCTAACCTCAATCGCTGGAACGCCCTGCAGGCCG
AGGCCCGAGATCCTGCTATAGTACTGTTGCGCGGCCAGCCAACAACTCAAATGTTGGAGTACCGGTG
GAAACCAAACCTGGGATCACCAGGGTTCTCCACTGTGTTAAGTGGGTGACTCAGGAAGAACTCACGAT
TCTCGAATGCTTTTACGATTTAACAGCAACGGGACAGGGAGCACTTCTGAAGCACACTCAGTTTCTTA
AGGATTCTCATGGGCACTCGGATCCCTGGACGCCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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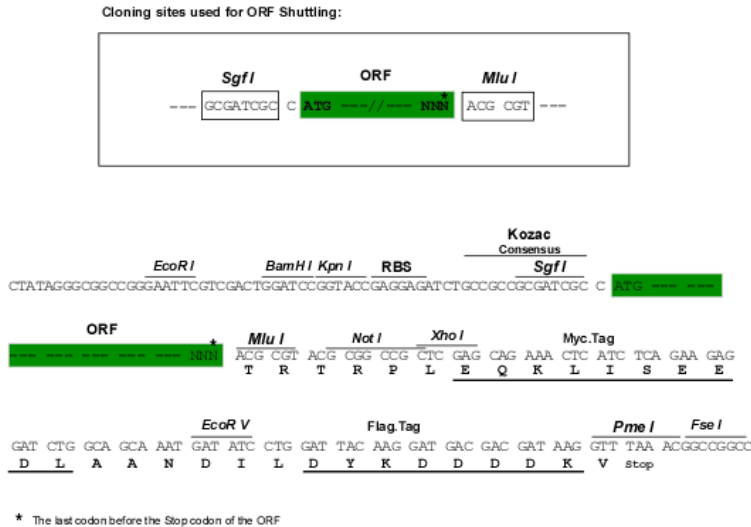
Protein Sequence: >VC101865 representing YP_004169273
Red=Cloning sites Green=Tags

MNQQDLTECLDALQNALSDIIEADPSDLDSIIKYYYYLRKFHVLEYYCKKEGYSNLGLHHIPATRVSEHN
 AKVAIQMGIVLKSLAKSKYAAENWTLRDTSSDQFASPPKNCFKKEGYEVTWVFDNDRENAFPYINWSHIY
 YQDEDDMWHKTSKGVVDYDGLYYVDKDGKSYFLFFEDARRYSNNNIWSVHYKNEHIYLPITSSSRRSDP
 GTTEKPVSTADTTRDTSPTNGRSSTQAEETSAGPSQRGPTLRRRRRRGEGESTESKRRKL TARQSAVPSP
 EQVGKSHRSIGRANLNRLERLQAEARDP AIVLLRGPANKLKCWRYRWKPKL GSPGFSTVFKWVTQEETHD
 SRMLLTFNSNGDREHFLKHTQFPKGF SWALGSLDAL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfi-MluI

Cloning Scheme:



ACCN: NC_014953

ORF Size: 1158 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_014953.1](#), [YP_004169273](#)

RefSeq ORF: 1158 bp

Locus ID: 10146729

MW: 44.5 kDa