

Product datasheet for **VC101973**

E2 (NC_001593) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 (NC_001593) 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 VC101973 represents NCBI reference of NP_041846 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACTCTGTGCCAACGCCTCGATGCCTGTCAGGAAAAATACTCGACTGCTTTGAGCGGGACTCCA
AAAACATCACCGACCATATCGATTACTGGAAGGCTGTGCGGCAAGAGAATGTCATATATTATAAGGCTAG
GGAGAACAACATGACCAAACCTGGTCACCAGGTGGTACCTTGCCGTCAGGTGTGTAAGGCCAAGGCATGT
GTCGCTATCGAGCTTCAGATTGCTCTCGAAAGCCTGTGCAAGCCGAATAACATGGAAGAATGGACTC
TCCGGGATGTCTGTGAAAGCATGTGGTACACAGAACCTAAGCAGTGTTTTAAGAAGCAGGGACAACATAT
CGAGGTTTGGTTCGACGGTCCAAGGATAACCGGGCCGAATACGTCGTGTGAAAATGGGTGTATTATTGT
GGAGAGGATGGTTGGTGAAGGTGTCTTCTGCGGTTAGTTACGAGGGAATCTACTACATTCACGACGGGC
ACAAGACGTAACACCAACTTTAAAGACGAGGCCACCAAGTACGGCTGAAGGGGACTTGGGAAGTGCA
CATGGGAAACAGAGTATCTACTGCCAGACTCCGTGAGTTCTACTTTCAGATCAAACGTGTCATCCGTA
GAAACCGTGAACGAGTACTATAGTCACAAGACGCCGACAACATCTACACCAGTCGGCACGTACGAAGCTA
GCTCAAGTCTGAGACCTGGCAAGCGCCACGAACCACAGAGCCAGATTCAACAGACAGCAGACTCAGAG
TACTACCAGCCCGGAGAGTTATGCAGAGTGCCTAGCTAGAAATACAGATAACACGAACAATAACACA
CGGAAACACCTCCCGGGGGCGCATCCTGCAATAATACCGAGATAGATAGCGGCTACAAGACAGCACCAG
TCGTTCATATTAAGGGCAGGCTAACAGGCTGAAATGTCTGCGGTACAGTTCCAGAAGCACAAGCAGCT
CTTTGTAAGTGTGTCAGTACATATCATTGGACCAACGTTAATTGCGCTGTCAACAACCTCTACATAACA
GTCGTGTACAAGGACGAAACCCAGCGGCAGAAGTTCCTGGATATTGTGAAAATCCGCCACGCTTTCC
TGGTTCTGGGACATGACCTGTGTTGACATG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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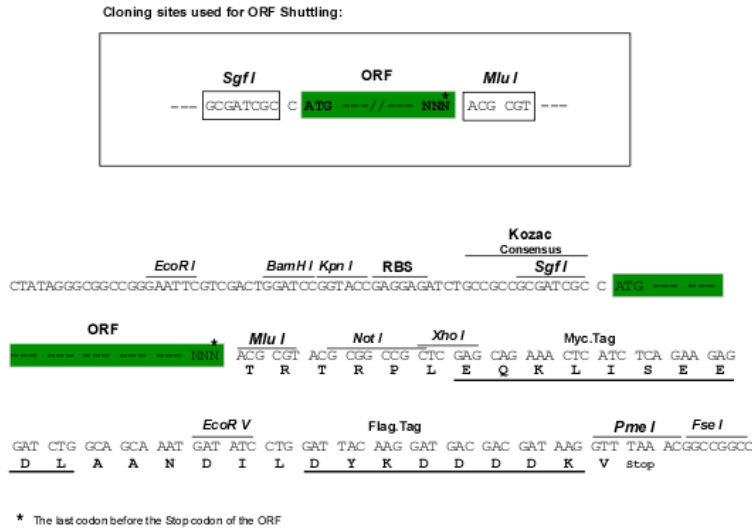
Protein Sequence: >VC101973 representing NP_041846
Red=Cloning sites Green=Tags

METLCQRLDACQEKILDCFERDSKNITDHIDYWKAVRQENVIYYKARENMTKLGHQVVPCLQVCKAKAC
 VAIELQIALESCKTEYNMEEWTLRDVCESMWYTEPKQCFKKQGQHIEVWFDGSKDNRAEYVVWKWVYYC
 GEDGWCKVSSAVSYEGIYYIHGDKTYTNFKDEATKYGCKGTWEVHMKGQSIYCPDSVSSVTFRSNVSSV
 ETVNEYYSHKTPPTSTPVGTYEASSLRPGKRPRRTTEPDSTDTSTTQSTTTARESYAECVARNTDNTNNNT
 RKHLPGGASCNTEIDSGYKTPVVIKGEANRLKCLRYRFQKHKQLFVTVSSTYHWTNVCVNNNSYIT
 VVYKDETQRQKFLDIVKIPPSVSLVLGHMTCVDM

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001593

ORF Size: 1152 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_001593.1](#), [NP_041846](#)

RefSeq ORF: 1152 bp

Locus ID: 1489466

MW: 44.2 kDa