

Product datasheet for VC101828

E2 (NC_001694) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 (NC_001694) 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 VC101828 represents NCBI reference of NP_043447 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAATGGAGTCCCTTGACAGATAGACTGGACGCCTGTCAAGAAAAATTGCTGGACCTTTACGAAAAAG
ATAGCAACAACTCGAAGACCAATCCTTCACTGGCATTACGTGCGCCTGGAAAAATGCAATGTTGTTTAA
GGCAGGCAAGCGGGTCTGACCCGCGTTGGCCACCAGATGGTCCCCTCTGAGCGTGACCAAGGGCAAA
GTCATAAAGCTATCGAGGTCCACCTTTCCCTGCAGGGGCTGCAAACCTCAGCCTACGCCATGAGCCAT
GGACCCTGCAGACCACCAGCCTCGAAATGTGGAATACACAGCCTCAGCGCTGTTGAAAAAAAAGGGGCG
CAGGCTTACCGTTAAGTTCGATGGGGAGGACCATAAGGCGGTGGAATACGTATCATGGGGCTATATTTAT
GTGCAAAGTACAGAACTGACTTGTGGTACAAGGTGCCCGCAAGGTTAGTTACAAAGGTCTCTATTATG
AGATGGAAGGCCAGGAGCATTACTATGTCACGTTTGCCAGGAGGCCAAAAATACGGCGAGACCGGAAA
ATGGGAGGTGCACATGGGCAACACGGTATACGAACCATGCGCTAGCGTGAGTTCTACACAGGACGCC
GTTCCGGGAGGTAAGCACCCGCGAGACTGCCGGACACCTGCGGATAATACTACTCAGACAACAACGACCC
CAACTTGGTGGGACCAACAGACTTCCACCAGCGTGCAGACACCCCGCATAAGAGACAGCGACTCCA
TAGGGATCGGGAACAGCAGCCGGACCACTCAGAAAGACAATCACAACGAGTTGATAGTACCGATCAG
TGGATCAACGGGCATAGGAATCTACAGAACTGGGGACAACCTGCGACAGTTATAGCTCTCCAGTCATAC
ACTTAAAAGGTGATCCTAACAAGCTTAAGTGTTTCAGGTATAGACTGCAGCACTCAGTACCAAGACTTTT
TGATAAAGCTAGTTCAACGTGGCATTGGGCAGGTGGACAGAGTACCACACGAGCCGCGTTTCGTTACCCCT
TGGTACGTCAATGTGGAACAACGCAAACAGTTCCTGAATAGAGTAACCATTCCAAAGGGAATACAGGCTA
CCGCCGCTACATGTCAATGTGTATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGGTTTAA



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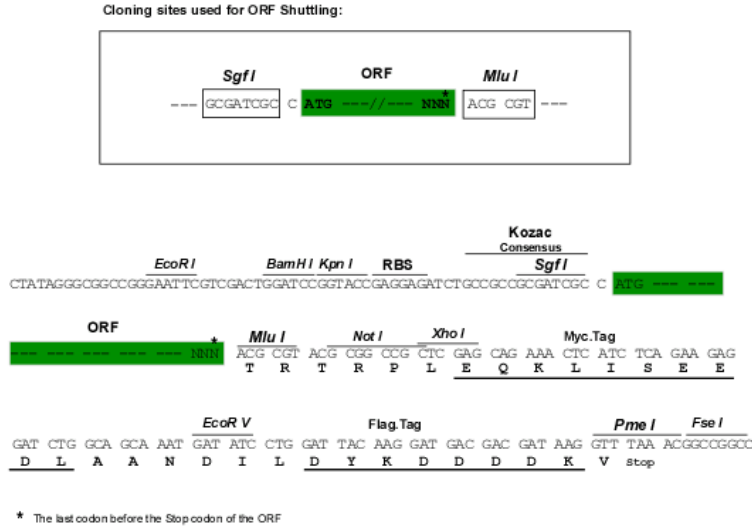
Protein Sequence: >VC101828 representing NP_043447
Red=Cloning sites Green=Tags

MRMESLADRLDACQEKLDDLKYEKDSNKLEDQILHWHYVRLNAMLFKARQAGLTRVGHQMVPTLSVTKGK
 AHKAIEVHLSLQGLQTSAYAHEPWTLQTTSLMWNTPQRCWKKKGRRLTVKFDGEDHKAVEYVSWGYY
 VQSTETDLWYKVPKVSYKGLYYEMEGQEHYYVTF AQEAQKYGETGKWEVHMGNVTIYEPASVSSTQDA
 VREVSTAETAGHLRDNTTQTTTTPTCVGPTQTSTSVQTPPHKRQRLHRDREQPDTTQKDNHKRVDSTDQ
 WINGHRNSTETGDNCDSSPVIHLKGDPNKLCFRYRLQHSVPELFDKASSTWHWAGGQSTTRAAFVTL
 WYVNVEQRKQFLNRVTIPKGIQATAGYMSMCI

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001694

ORF Size: 1146 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_001694.1](#), [NP_043447](#)

RefSeq ORF: 1146 bp

Locus ID: 1403315

MW: 43.9 kDa