

## Product datasheet for VC101841

### E2 protein (NC\_008188) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	E2 protein (NC_008188) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E2 protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC101841 represents NCBI reference of YP_656495 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGACGCTTGTGAAAGATTTGATGCCGTGCAGGAGAACTGCTGGCCTGTACGAGGCAGGCAGAT  
CAGACTTGGAGTCCCAGATCCAGCACTGGGACCTGGTGCAGCAGGAGCACGTGCTTCTGAAGTATGCCCCG  
CCGACAAGGAATCCAAACACTGGGGTTGCAGAAGTGCCACCTCTCGCAGCCAGTGAGAGCAAGGCCAAA  
ACCGCAATTATGATGCAGTTGGTGTGAAATCTCTGAAAAAGTCTCAGTATGGGCAGGAGCCCTGGACGC  
TGACAGATACTTCTCATGAGCTGTTTACCACCGCCCCAGAGAACACCTTCAAAAAGGAGGCGTCACTGT  
GGAGGTCTTGTTCGACAACGAAGAGGAGAAGGCAATGCCCTATACCCTGTGGAGACTCATCTACTATCAG  
GACGCGGATGAAGTGTGGCACAAGACTCACGGCCAAGTGGATGCCGATGGCCTCTATTTTCATCGATATGG  
TGAAGCAGAAGCATTATTACGTGCACCTCACGAAAGAGGCAGTGAATACGGGCAGAAAGGGATGTGGCA  
GGTGAGAACCGGTACTGATGTACTCTTCGGACCTCAAGCATTGCATCCACTTCCACTGGCGCCGAGCAG  
GGGGACACGACTGCCAGGTGACACGAAGCGCCGAAAGGAAAGCGCCGGAGGCACTCACGCAGACAAA  
CGCCATCCACCACATCCACCACAACCGAAACAGACTCTGAAGACTCAGCAAGCAATACAGGAGGAGAAA  
ACGCCGCCATCGCGAGCGCAAGAGGAGCAAGCACAGGTGGGATACGGGGTCCGAAAGTTCTACTGATACT  
GCCGCTGCAGTGGGAAGCGCCACAGGTCTCCAGATCGGAACTATCCTTACGACTGGCCCGGCTGCAAG  
CCGAGGCCTGGGATCCACCTATTCTGCTGGTAAAGGGGCCATCCAACACTGAAGTGTGGCGATATCG  
CTGCAGGATCAAATACCGCGGGCTGTTCCAGTGCATCAGCACGGCCTTCACTTGGGTGCTGATCGGGT  
CCTCAGCTGGGAATGCCAGGATTATCGTCGGGTTTACCAATACTTACAGCGGGAAAAGTTCATACAAA  
CCGTAAACTGCCAAAGGGCACTAGCAGCGCTCTGGGCAATCTGGACTCCTTT

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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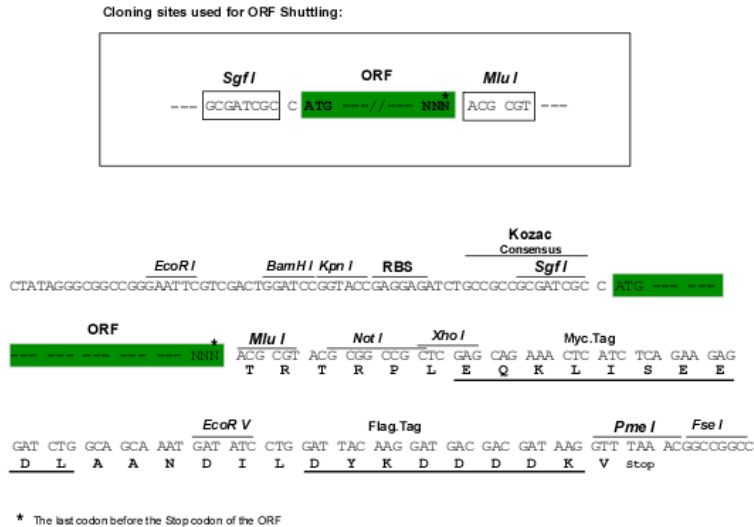
**Protein Sequence:** >VC101841 representing YP\_656495  
Red=Cloning sites Green=Tags

METLVERFDVQEKLLGLYEAGRSDLESQIQHWDLVRQEHVLLNYARRQGIQTLGLQKVPPLAASESKAK  
 TAIMMQLVLKSLKKSQYQGPWTLTDTSHELFTTAPENTFKKGGVTVEVLFDNEEKAMPYTLWRLIYYQ  
 DADELWHKTHGQVDADGLYFIDMVKQKHYYVHFKEAVKYGQKGMWQVRTGTDVLFGPSSIASTGAEQ  
 GDTTAQVTRSARKGKRRRHSRRQTPSTTTTETDSEDSASEYRRRKRHRERKRKRSHRWDGSESSTDT  
 AAAVGSRHRSPDRNYPRLARLQAEAWDPPILLVKGPSNTLKCWRYRCRIKYRGLFQCISTAFTWVADAG  
 PQLGNARIIVGFTNTSQREKFIQTVKLPKGTSSALGNLDSF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_008188

**ORF Size:** 1173 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\\_008188.1](#), [YP\\_656495](#)

**RefSeq ORF:** 1173 bp

**Locus ID:** 5177013

**MW:** 44.7 kDa