

Product datasheet for **VC102010**

E2 protein (NC_010329) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	E2 protein (NC_010329) 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 VC102010 represents NCBI reference of YP_001672011 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCGCATGGAGACCCAGGAGACCCTGACTGAGAGATTCGTGCGCCTGCAAGATGCTATACTTAATC
TGATCGAAAGAGGAGAAACGGATCTGCGGAGTCAGATACAGTACTGGAACTGGTTCGAAAAGAACAGGT
GATCCTCTATTATGCTCGGAAATCCGGCTACAACCGCTCGGGCTGCAGCCTACTCCTGCCCTGCTGTG
TCAGAATAAACGCCAAGCAGGCCATCCACCTCCAGCTGATGCTGAAATCTTTGGAGAAATCAAATTCG
CTAAGGAGCCTTGGTCACTGACCGACGCGCCGAGTTGGTGAATACCCCTAGAGACTGTTTCAA
AAAGGGAGGGTTCACAGTCACTGTGATTTTCGATAACGACAGGGAGAACAGCTTCCCTTATACTCAATGG
GAGCATATCTACTACCAGGATCAAAATGAGCAGTGGCACAAGTCCCGGAGGAGTTGACCATAATGGCC
TGTATTACGATGAGGAGAACACGAATGAACGGGTGATTTCTGCTGTTGAGCCTGAGAGCCAGAAATA
CGGCTCAAGCGGACAGTGGACTGTACACTACAAGAATACGACTGTGAGCGCTAGTGTACTTCCAGCTCC
AGACGGAGTAGTCTATTAGTACAAAGACTGACTTTGACGCCACCACAGCTGGGAACACGACAACCTCCG
CACCCAAAGATCTCCGAGAAAGAGGCTGCAGGAAGCCGTATCATCCACAACATCCCCCAGCCATAA
TCTTCGGTCTCCCGACGGGGTCCGGGGAGGGCGAGCGGACAAGTGGAGCTAAGCGAAGAAGAACCGCC
ACCGATGGAAACACCCTGGGAGAATCAGTCCCCTCCCATCCCAGGTGGATCCAGGCATAGGGCACCCG
AGCGCTCCGGCCTGTCTGACTCGGCCGCTTCAGGCAGACGCTTGGGATCCACCACTTATAATCATTAA
GGGGCCTGCGAATACTCTTAAATGTTGGAGAAATCGGATGAAGAAGAATAGCTCCTTAACCTGGTCTGC
AGTTCCGTGTGGCGGTGGATAGACTCAACGACACACGAAAACCTCCAGAATGTTGGTGGCGTTTCAAATA
CCGCGAAAGGACACGCTTCCCTAACTCTGTCACACTTCCAAGGGACCACATATGCCTTCGGTCACT
GGACTCACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >VC102010 representing YP_001672011
 Red=Cloning sites Green=Tags

MARMETQETLTERFVALQDAILNLIERGETDLRSQIQYWELVRKEQVILYYARKSGYNRLGLQPTPAPAV
 SEYNAKQAIHLQLMLKSLEKSKFAKEPWSLTDASAELVNTPPRDCFKKGGFTVTVYFDNDRENSFPYTQW
 EHIYYQDQNEQWHKVPGGVDHNGLYYDEENTNERVYFLLFEPESQKYGSSGQWTVHYKNTTVSASATSSS
 RRSSPISTKTDFFDATTAGNTTTSAPQRSRKRRLQEAVSSTTSPPAHNLRSPGRGRGEGERTSGAKRRRTA
 TDGNTLGEVSPSPSQVGSRRHAPERSGLSRLGRLQADAWDPPLIIIKGPANTLKCWRNRMKKNSSSNLVC
 SSVWRWIDSTTHENSRLVAFQNTAERTRFLNSVTLPKGTTYAFGYLDSL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_010329

ORF Size: 1200 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_010329.1](#), [YP_001672011](#)

RefSeq ORF: 1200 bp

Locus ID: 5896663

MW: 45.3 kDa