

## Product datasheet for **VC102216**

### E1 protein (NC\_004102) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	E1 protein (NC_004102) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	E1 protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102216 represents NCBI reference of NP_751920 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTACCAGGTCAGAAATAGCTCTGGGCTGTATCACGTGACAAATGATTGCCGAACAGCTCTATTGTCT  
ATGAGGCCGCTGACGCAATTCCTCACACCCCTGGCTGTGTGCCTTGTGTTGCGGAGGGCAATGCCTCTCG  
CTGTTGGGTTGCCGTACACCCACCGTCGCCACACGCGATGAAAAGCTGCCACAACGCAGCTGAGGCGG  
CACATTGACCTTCTGGTCGGTTCAGCTACGCTGTGCTCAGCCCTGTACGTCGGAGACCTGTGTGGCAGCG  
TGTTTCTGGTCGGACAGCTCTTTACCTTCTCTCCAAGACGGCATTGGACCACCCAGGATTGTAAGTGCAG  
CATTTACCCGGGTCATATAACCGGCCATCGCATGGCTTGGGACATGATGATGAATTGGTCTCCTACGGCC  
GCCCTGGTGGTTGCCAATTGCTTAGGATCCCCAGGCGATCATGGACATGATTGCTGGAGCCCATTGGG  
GCGTTCTCGCGGAATCGCCTACTTCAGTATGGTAGGGAAGGTTGCTGTGGTGTGTTGTTGTT  
GTTTGCCGGCGTTGACGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>VC102216 representing NP_751920 Red=Cloning sites Green=Tags
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MYQVRNSSGLYHVTNDPCNSSIVYEAADAILHTPGCVPCVREGNASRCWVAVTPTVATRDGKLPPTQLRR  
HIDLLVGSATLCSALYVGDLCGSVFLVGQLFTFSPRRHWTQDCNCSIYPGHITGHRMAWDMMNWSPTA  
ALVVAQLLRIPQAIMDMIAGAHWGVLAGIAYFSMVGNWAKVLVLLLLFAGVDA

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

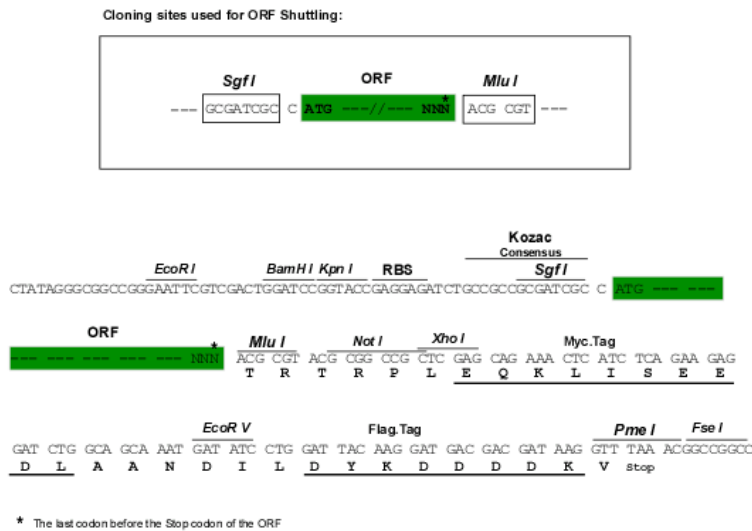


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Chromatograms: [https://cdn.origene.com/chromatograms/mk8100\\_b12.zip](https://cdn.origene.com/chromatograms/mk8100_b12.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC\_004102

ORF Size: 579 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\\_004102.1, NP\\_751920](#)

RefSeq ORF: 579 bp

MW: 21.0 kDa