

## Product datasheet for **VC100550**

### **VP1 (NC\_012564) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	VP1 (NC_012564) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>The Viral ORF clone VC100550 represents NCBI reference of YP\_002808456 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGCCCCCATTAAGCGCCAGCCAGGGGATGGGTCTCCCGGCTATAAGTATCTTGGCCTTTTAACC  
CACTGGATAATGGCGAGCCTGTGAATAAAGCAGATCGAGCGGCTCAAAGTCACGATAAGTCTATAGCGA  
GCTGATCAAGTCAGGTAAGAACCCTTATCTGTACTTCAACAAAGCAGACGAGAAATTCATCGACGACCTC  
AAAAATGACTGGTCTTGGGAGGCATCATAGGATCCAGCTTCTTTAAGTTGAAGAGGGCTGTGGCTCCCG  
CTCTGGGCAACAAAGAGAGAGCCGAAACGACACTTTTTATTTTGCAAATTCAAATAAGGGCGCAAAGAA  
ATCCAAGAACAACGAACCTAAGCCAAGTACCTCTAAGATGAGCGAAAACGAGATTCAGGATCAGCAGCCC  
TCCGAGCCCAATGATGGTCAGCGCGGGGGGGAGGTGGAGCTACCGGCTCTGTCGGTGGGGGAAGGGCA  
GTGGAGTGGGAATCTCTACAGGAGGATGGGTGGGGGGAGCTACTTTACAGACTTTATGTGATCACTAA  
AAACACCGCGCAGTTTCTGGTTAAAATCCAAAATAATCACCAAGTACAAGCCGAAAGCATTATTCCTAGC  
AACGGAGGAGGAAAAAGCCAACGATGTGTTAGCACGCCCTGGTCTTACTTTAATTTCAATCAATATTCTT  
CTCACTTCAGCCACAGGACTGGCAACGGCTCACAAACGAATACAAGCGGTTTAGACCGAAGGGAATGCA  
CGTCAAAATTTACAATTTGCAGATCAAACAGATTCTTAGCAATGGCGCAGACGTGACCTACAACAATGAT  
CTCACAGCCGGAGTGCACATTTTCTGCGATGGCGAGCAGCCTTATCCCAACGCCACACACCCATGGGATG  
AAGATGTTATGCCGAGTTGCCTTACCAAACCTGGTACCTTTTCCAGTACGGCTACATCCCTACCATTCA  
TGAAGTGGCTGAGATGGAGGATAGTAATGCTGTTGAGAAAAGCAATCGCCCTGCAGATACCTTTCTTTATG  
CTCGAGAACTCCGACCAGGAGTTCTCAGGACAGGCGAGTCAGCCGAATTCAAATTTCAATTTGACTGTG  
AGTGGATAAATAACGAGCGGGCTTTCATACCACCCGGACTCATGTTTAAACCCTCTCGTGCCGACCCGAAG  
GGCACAATACATTGCGAGAAATGGAAACTCAAGCCAGTACATCTAGGGTGCAACCTTACGCGAAACCC  
ACTTCCTGGATGACAGGCCCTGGACTGTTGAGCGCACAAGGGTCGGACCCGCGCTTCTGATACAGCCG  
CCTGGATGGTGGGCGTCGATCCTGAAGGGGCAACATCAACTCAGGTAGAGCTGGCGTTAGTTCTGGATT  
CGACCCTCAGCCGGATCCCTTAGGCCAACAGATCTCGAGTACAAAGTGCAGTGGTACCAGACGCCCGCC  
GGCACAATAATGATGGGAACATAATTTCCAATCCCCGCTGTCTATGCTCCGGGACCAGACTGTATC  
GGGCAACCAGACCACGTATAACCTGTGTAGCGACGTTTGGATGTTCCCAAATCAGATCTGGACAGATA  
TCCAGTTACGCGGAGAACCAATTTGGTGTAAACAGCCCGGTCTGACAAGCATACCACTATCGATCCA  
TTTGACGGTTCCATAGCCATGGATCATCCTCCTGGTACTATCTTTATAAAAATGGCCAAGATCCCAAGTGC  
CTTCAAACAATAACGAGATAGTACTCTGAACATATTTGCACCGGTGAGTTTTCATGTGAGATCGTGTG  
GGAGGTGGAAAGGTACGCAACTAAGAAATGGCGCCAGAACGCCGACACAGCCCTTGGTCTGGGAATA  
GGTGGCGCCGATGAAATTAATCCACCTACCATGTGATAAGAACGGAGCCTATATTCAGCCAACCTACCT  
GGGATATGTGCTTCCCAGTGAACCAATATCAATAAGGTATTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC100550 representing YP\_002808456  
Red=Cloning sites Green=Tags

```

MPPIKRQPGGWVLPGYKYLGPFNPLDNQEPVNKADRAAQSHDKSYSELIKSGKNPYLYFNKADEKFIDDL
KNDWSLGGIIGSSFFFLKRAVAPALGNKERAQKRHFYFANSNKGAKKSKNNEPKPSTSKMSENIQDQQP
SEPNDGQRRGGGGATGSVGGGKSGVGIISTGGWVGGSYFTDSYVITKNTRQFLVKIQNNHQYKTESIIPS
NGGGKSQRCVSTPWSYFNFNQYSSHFSQDQWQRLTNEYKRFRPKGMHVKIYNLQIKQILSNGADVTYNND
LTAGVHIFCDGEHAYPNATHPWDEDMPELPHYQTWYLFQYGYIPTIHELAEEDSNAVEKAIALQIPFFM
LENSDHEVLRGTESAENFNFDCEWINNERAFIPPGLMFNPLVPTRRQAQYIRRNQNTQASTSRVQPYAKP
TSWMTGPGLLSAQRVGAASDTAAMVGVDPGANINSGRAGVSSGFDPPAGSLRPTDLEYKVQWYQTPA
GTNNDGNIISNPPLSMLRDQTLYRGNQTTYNLCSDVWVFPNQIWD RYPTRENPIWCKQPRSDKHTTIDP
FDGSIAMDHPPTGIFIKMAKIPVPSNNDADSYLNIYCTGQVSCEIIVWEVERYATKNWRPERRHTALGLGI
GGADEINPTYHVDKNGAYIQPTTWDMCFPVKTNINKVL
    
```

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_012564

**ORF Size:** 2004 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\\_012564.1](#), [YP\\_002808456](#)

**RefSeq ORF:** 2004 bp

**Locus ID:** 7768238

**MW:** 74.8 kDa