

## Product datasheet for **VC100635**

### VP1 (NC\_012802) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VP1 (NC_012802) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100635 represents NCBI reference of YP_002956122 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGGATATCCACGATAATGCAGAGAAGGGCCTTACTGAAACAACGATGCAACCCAGTTCTGTGGGG  
CCGCAGTGGGCTACACGACTAACCATTCCAACGCGAATTCCTTTTTGATAGGTACCGATTCGTCGGCTT  
TATCGATGCTGTGAGGAATAATAACCGAGCGTCATCAGCGTTTTTCGATTCAAACAATAAGGTGAAACGG  
ATAGCCGAATTGTTCAAGGAACCAATAAACCCGGTAACACTTTACACTCTCTCCTAATCCAGCAATCA  
GTACAACCTCCGATGTCCGCTTATATTGTGATTGACCATCCCTCCAGCACTAGCTCACCTACACCCAGTA  
TGCAATCGCAACAACGCGATCCCTTTTTCTCCGCTCATGTCCCTCACCTACTTTCACTGCGACCTT  
GAAGTGACAATCAAACCAGAAAACGCAAGTGTGTTGGAGGGCCACCTGGTATCCACCCGGATCCG  
ACTTGAAGGAGGACGAGGTAGTCCCCTCTTTCAGGACCACTGGAGAGAGCGGTAATATGTCTCTCACCGT  
AAACAACCGGGAACGGTCCACTATCTATAATACCTACCCTACATTCTATTCCCGAGATGGCCAATGTGTG  
TCCTTTAACATCCCCTACACCTCACCTTTGAGTGTGATTCCAACGCGCTTCGATGGATACCCCGATTACT  
CACGAACCGTTGGCGCTTATGGTGTGCGCCTGCTAATCATTTTTGGAACACTTACGGTGGCCGCTAACGA  
TGAGGGCTATAAGTTCTTTGTCTACGTGCGGTACAAAACTTTAAGGGCTACGTCCCTAAGACACTCCCA  
CCCCAGCCTCTTCTCTGAAGAACAGTAGGTCCCTCACGAACGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100635 representing YP\_002956122  
Red=Cloning sites Green=Tags

MGDIHDNAEKGLTETTDATQFCGAAVGYTTNHSNCEFFFDYRFVGFIDAVRNNKRSVISVFDSSNNKVKR  
 IAELFKPENKPGNYFTLSPNPAISTTPMSAYIVIDHPSSTSSPYTQYAIATTGDPFFLRSCPFTYFHC  
 EVTIKPENAVSGVWRATWYPPGSDLKEDEVVPSFRITGESGNMSLTVNNRERSTIYNTYPTFYSRDQCV  
 SFNIPYTSPLSVIPTRFDGYPDYSRTVGAYGVAPANHFGLTVAANDEGYKFFVYVRYKNFKGYVPKTL  
 PQPLFLKNSRSLTNE

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_012802

**ORF Size:** 885 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\_012802.1, YP\_002956122  
RefSeq ORF: 885 bp  
MW: 33.1 kDa