

## Product datasheet for **VC100707**

### VP1 (NC\_013114) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VP1 (NC_013114) 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 VC100707 represents NCBI reference of YP_003104778 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAGACAAGATAGAAAACACTCCTACCGTTGCCGATACACAGCCTAGCGGAGCGGAAACACGGAAC  
AGGTGCCTGCACTTACTGCCGTGGAAACAGGTCATACATCTCAAGTGAACCGAGTGATACCGTTCAAAC  
CCGGCATGTTTGTAACTATCACACCGGAGCGAGAGCAGTGTGGAAAATTTCTTTGGCAGGGCTGCTTGT  
GTCAAAGTGGGACGTACAACATTGGCCCAAACATTAAGGAAGAGGATCGCTACTCAGACTGGACCCTGT  
CAGTGAGGGACATGGTGCAAATTCGCCGAAATTTGAAATGTTTACATATATGCGGTTCCGACATAGAGAT  
TACCATTGTGGTGACATCCTATCAGCAGCCCGGACAATTACCACCCAAGACATGCCAGTACTCACGCAC  
CAGTTTATGTATGTCCCTCCAGGTGGCCCAATACCAACCAGTGCAAGCAGCTTTGCGTGGCAGACCAGTA  
CTAATCCATCCGTCTTTTGGACCGAGGGAAACGCCCCAGCCGATTGTCTATTCTTTTGTCTCCGTGGG  
CAACGCTTACTCCTCATTTTACGATGGTTGGTCTCACTTAATCAGTCCGGAGTGTATGGTTTCAACACC  
CTGAATAACATGGGCAGGCTGTTTATGAGGCACGTTAATAAGCTCTGTCCATATCAGATTGTTAGTACAG  
CAAGGGTCTACCTGAAACCGAAGCATGTGAAAGCTTGGGTCCCCGACCTCCCCGACTCTGTCCGTACAT  
CAACCGGGCCAACGTAATTTCCATCCAACCGCTGTGGCTGATGTCCGCGCCGACATTAACGCTGTTCCC  
TCTCTGGAACATGAGCCTCTGCACACTCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100707 representing YP\_003104778  
Red=Cloning sites Green=Tags

MGDKIENTPTVADTQPSGARANTEQVPAL TAVETGHTSQVEPSDTVQTRHVCNYHTRSESSVENFFGRAAC  
 VKVRTYNIGPNIKEEDRYSDWTL SVRDMVQIRRFEMFTYMRFDIEITIVVTSYQQPGTITTDMPVLTH  
 QFMYVPPGGPIPTASSFAWQTSTNPSVFWTEGNAPARLSIPFVSVGNAYSSFYDGSWVSHFNQSGVYGFNT  
 LNNMGRFLMRHVNKLCPNQIVSTARVYLKPKHVKAWVPRPPRLCPYINRANVNFHPTAVADV RADINAVP  
 SLEHEPLHHTH

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_013114

**ORF Size:** 870 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\_013114.1, YP\_003104778  
RefSeq ORF: 870 bp  
MW: 32.7 kDa