

## Product datasheet for **VC100743**

### VP1 protein (NC\_001428) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VP1 protein (NC_001428) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP1 protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100743 represents NCBI reference of NP_740586 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCATTGAAGACCTTATAGACACAGCCATCAAGAATGCACTTCGCGTGTCCCAACCTCTCCGACCCA  
GCCAGTTGAAACAGCCAAACGGGGTCAATAGTCAAGAAGTCCCGGCTCTACGGCCGTGGAGACCGGCGC  
CTCCGGGCAGGCTATCCCCTCCGATGTCGTCGAAACCAGGCATGTAATTAATTACAAGACCCGATCTGAA  
TCTTGCCCTGGAATCATTTCGGCAGAGCCGCTTGCCTGACCCTTGTCCCTGACAAATAGCTCTAAAA  
GTGGCGAGGAAAAAAGCACTTCAATATTTGGAATATCACCTATACCGACACCGTGCAGCTGAGACGGAA  
ACTTGAATTTTCACTTATAGTAGGTTTCGACCTGGAGATGACATTTCGTCTTCACTGAGAATTATCCAAGC  
ACTGCAAGTGGAGAAGTGAAGAAATCAGTGCATCAGATTATGTACATACCACCGGCGCACCCAGGCCCT  
CCAGTTGGGACGACTATACTTGGCAGAGTTCAGCAATCCCTCTATATTTTATATGTACGGGAACGCTCC  
ACCAAGGATGTCCATTCCCTATGTCGGCATCGCCAACGCCTACTCTATTCTATGACGGGTTTGCACGG  
GTCCCCCTCGAGGGCGAGAATACCGACGCTGGGATACTTTTACGGCTTGGTAAGTATAAACGATTTTG  
GCGTACTCGCAGTGAGAGCGGTGAACCGATCCAATCCACATACCATTCACTAGTGTCCGCTCTATAT  
GAAGCCTAAGCACATTAGGTGTTGGTGCCTCGCCCCCGCGCGTGTGTATAGAGGCGAAGGGGTG  
GACATGATCAGTTCTGCCATCCAACCCCTGACAAAAGTGGATTCCATTACGACCTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100743 representing NP\_740586  
Red=Cloning sites Green=Tags

MGIEDLIDTAIKNALRVSQLRPSQLKQPNGVNSQEVPALETAVETGASGQAIPSDVVETRHVINYKTRSE  
 SCLESFFGRAACVTILSLTNSKSGEEKKHFNINITYTDTVQLRRKLEFFTYSRFDLEMTFVFTENYPS  
 TASGEVRNQCDQIMYIPPGAPRPSWDDYTWQSSSNPSIFYMYGNAPRMSIPYVGIANAYSHFYDGFAR  
 VPLEGENTDAGDTFYGLVSINDFVLA VRAVNRSNPHTIHTSVRVYMKPKHIRCWCPRPPRAVL YRGEV  
 DMISSAIQPLTKVDSITTF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001428

**ORF Size:** 897 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\\_001428.1](#), [NP\\_740586](#)  
RefSeq ORF: 897 bp  
MW: 33.5 kDa