

## Product datasheet for **VC100741**

### VP2 protein (NC\_001428) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VP2 protein (NC_001428) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP2 protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100741 represents NCBI reference of NP_740584 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCACCTAACGTGGAAGCCTGTGGATACTCCGATCGAGTCAGACAGATTACACTGGGAAATAGCACCA  
TCACAACCCAAGAAGCAGCTAACGCTATTGTGGCATAACGGCGAATGGCCCACTTACATCAACGACAGTGA  
AGCAAATCCTGTGGATGCTCCTACTGAACCCGACGTTTCTCCAACAGATTCTACACACTGGAAAGTGTC  
AGCTGGAAAACACGAGCAGGGGCTGGTGGTGAAGCTTCCGGACTGTTTGAAGACATGGGTATGTTTCG  
GGCAGAATATGTATTATCATTACTTGGGTAGATCCGGCTATACTATACAGTGCAGTGTAACGCCAGTAA  
ATTCCATCAGGGAGCACTCGGTGTGTTCTGATCCAGAGTTTGTGATGGCCTGCAACACAGAGAGCAAG  
ACTAGCTACGTGCTTATATCAACGCAAACCCAGGGGAACCGCGCGGGGAATTCACCAACACGTACAATC  
CTAGCAATACAGATGTATCAGAAGGCAGGCAGTTCGCCGCCCTGGATTATCTGCTTGGCTCTGGTGTGCT  
TGCTGGTAATGCTTTTGTGTATCCACACCAAATCATTAACTTCGGACCAACAATTCTGCTACTATCGTG  
GTACCCTACGTAACTCACTGGTATCGACTGCATGGCAAACACAACACTGGGGAATAGTGATACTGC  
CGTTGGCCCCACTGGCCTTGGCCACGAGTAGTCCGAGGTTCTATCACCGTCACCATAGCTCCCAT  
GTGACCGAGTCAACGGCCTGCGGAACATTACCATCCCTGTTTCATCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >VC100741 representing NP\_740584  
Red=Cloning sites Green=Tags

MSPNVEACGYSDRVRQITLGNSTITTQEAANAIVAYGEWPTYINDSEANPVDAPTEPDVSSNRFYTLESV  
 SWKTTSRGWWWKLPDCLKDMGMFGQNMYYHYLGRSGYTIHVQCNASKFHQALGVFLIPEFVMACNTESK  
 TSYVSYINANPGERGGEFTNTYNPSNTDVSEGRQFAALDYLLGSGVLAGNAFVYPHQIINLRTNNSATIV  
 VPYVNSLVIDCMAKHNNWGIVILPLAPLAF AATSSPQVPITVTIAPMCTEFNGLRNITIPVHQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_001428

**ORF Size:** 819 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\_740584  
RefSeq ORF: 819 bp  
MW: 30.1 kDa