

Product datasheet for **VC100717**

VP2 (1B) (NC_001612) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP2 (1B) (NC_001612) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP2 (1B)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100717 represents NCBI reference of NP_740527 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCCTAGCGCCGAAGCTTGCGGGTATAGTGACAGGGTGGCACAGCTGACAATCGGAAATAGTACCA
TCACTACGCAAGAAGCGGCCAATATTATTATGCGTATGGTGAATGGCCGGAGTACTGCAAGGATGCCGA
TGCTACGGCGGTGACAAGCCGACTCGCCCCGACGTGTCCTCAACAGATTCTTACATTGGATACCAAA
TCTTGGGCTAAAGATAGCAAGGGTTGGTACTGGAAGTTTCCCAGCTCCTCACTGAAGTCGGCGTGT
GGCAGAACGCCAGTTTCACTATCTTTATAGGTCGGCTTTTGGTGCAGTGCAGTGAATGCTTCCAA
GTTCCACCAGGGCGCCCTGCTTGTGCCATTCTCCAGAGTACGTGTTGGGGACCATCGCTGGCGGCGAT
GGCAACGAGAATAGCCACCCCCATACGTACCACCCAGCCGGCCAGGTAGGGGAGTGTGACTAATC
CCTATGTCCTCGACGCTGGCGTTCCTCTGTCCCAGCTGACAGTGTCCCCCACCAGTGGATTAATCTGCG
AACAAACAAGTGTGCCACAATCATAGTGCCATACATGAACACTGTTCCATTGATTCCGCACTTAATCAT
TGTAATTTGGGCTGATCGTGGTGCCAGTGGTCCACTGGATTTAACGCTGGGGCCACATCCGAAATTC
CTATAACCGTAACAATCGCTCCCATGTGCCCGAATTTGCTGGACTGCGCCAGGCGATCAACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100717 representing NP_740527
Red=Cloning sites Green=Tags

MSPSAEACGYSDRVAQLTIGNSTITTQEAANII IAYGEWPEYCKDADATAVDKPTRPDVSVNRRFFLDTK
 SWAKDSKGWYWKFPDVLTEVGVFGQNAQFHLYRSGFCVHVQCNAKSFHQGALLVAILPEYVLGTIAGGD
 GNENSHPPYVTTQPGQVAVLTNPYVLDAGVPLSQLTVCPHQWINLRTNNCATIIVPYMNTVPFDSALNH
 CNFGLIVPVVPLDFNAGATSEIPITVTIAPMCAEFAGLRQAIKQ

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001612

ORF Size: 765 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_001612.1, NP_740527
RefSeq ORF: 765 bp
MW: 27.7 kDa