

Product datasheet for **VC100693**

VP2 (NC_014336) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP2 (NC_014336) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100693 represents NCBI reference of YP_003795176 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCAACATCGAGGCTTGCGGGTATTCTGATCGCGTGTTCAGCTGACCCTCGGAATCAACAA
TAACGACCCAGGAGGCGGCAATGCCGTTATAGGCTACGGCGAGTGGCCCCAGTTCCTGAATCCGCCGA
TGCAAATCCAGTGGACGCACCCACTCTGCCGGACAGCTCATCCAATAGGTTCTACACCCTGGATCAGTG
GAGTGGCAATCCAGTTCGCGGGTGGTGGAAACTGCCCGATGCGCTTAAAGACATGGGTATGTTTG
GTCAGAATATGTACTACCACTATCTCGGTAGAGCTGGCTACACGGTTCATGTGCAATGCAATGCAAGTAA
ATTTACCAAGGCGCCCTCTTCGTTGCCGCCATACCCGAGTTCATGATGGCTTCTAATCCGCAGATCAA
ACGGGCGGCATTACCTATGAGAAAGCCAATCCTGGCGAGGCAGGCGGCAAGTTCAGGCATCATTTACCC
CTAGTGCAGAGGACGGTAAGAAAAACACTTTTCCCCGGTTGATTGGCTCTTGGGATGCGGGGTGATGGC
AGGAAATATTACCGTTTTTCCCCACCAGATCATCAATCTGCGCACAAACAATTGCGCCACATTGGTTCTG
CCCTACGTAATAGCTCTGCCACCGACTCCATGGCCAAACATAACAATTGGGAATTGTGATCCTCCGT
TTGTACCCCTGCAGTACGAAGACGGAGCTTCCACTGCCATTCCCACACAGTAACCGTAGCGCCCATGTG
TTGTGAATCAATGGACTGAGAGCACAACGAACCTGTGCTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >VC100693 representing YP_003795176
 Red=Cloning sites Green=Tags

MSPNIEACGYSDRVLQLTLGNSTITTQEAANAVIGYGEWPQFLNSADANPVDAPTL PDSSSNRFYTLSEV
 EWQSSSRGWWKLPDALKDMGMFGQNMYYHYLGRAGYTVHVQCNAKSFHQGALFVAAIPEFMMASNSADQ
 TGGITYEKANPGEAGGKFQASFTPSAEDGKKNTFAPVDWLLGCGVMAGNITVFPHQIINLRTNNCATLVL
 PYNSSATDSMAKHNNWGIVILPFVPLQYEDGASTAIPITVTVAPMCCEFNGLRAQTNPVLQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_014336

ORF Size: 816 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_014336.1, YP_003795176
RefSeq ORF: 816 bp
MW: 29.6 kDa