

Product datasheet for **VC100560**

VP2 (NC_007455) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP2 (NC_007455) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC100560 represents NCBI reference of YP_338089 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGATACCGATATTCAAGACCAGCAGCCTGATACGGTCGACGCCCCACAGAATACCAGCGGAGGTG
 GGACAGGCTCCATTGGTGGTAAAGGCTCCGGCGTGGGCATAAGTACAGGTGGATGGGTCGGGGGGTTC
 TCATTTCTCTGACAAATACGTGGTCACAAAAACACACGGCAATTTATCACCCTATACAAAATGGGCAT
 CTGTATAAAACAGAGGCCATCGAAACCTAATCAGTCAGGCAAGAGCCAGCGATGCGTTACCACCCCTT
 GGACATATTTAATTTCAATCAATACAGCTGCCACTTCTCCCTCAAGACTGGCAGCGGTGACAAATGA
 GTACAAGCGCTTAGGCCAAAGGCAATGCAAGTGAAGTTACAACCTGCAGATCAAACAGATCCTCTCC
 AACGGTGCAGACACCACCTACAATAACGACCTTACCGCCGGCGTACACATTTTCTGCGACGGTGAGCAG
 CCTACCCAAATGCCAGTACCCCTGGGATGAGGACGTGATGCCGGACTTGCCATACAAAATTGGAAACT
 CTTCCAGTATGGCTACATCCCATTTGAGAATGAACTCGCAGATCTTGACGGAAACGCGGTGGAGGCAAT
 GCTACGGAGAAAGCTCTTGTATCAGATGCCATTCTTTCTGCTGGAGAATAGCGATCACCAGGTCTTA
 GAACCGGTGAGAGTACAGAGTTTACATTCAACTTCGACTGCGAATGGGTGAACAATGAACGGGCCTATAT
 ACCACCCGGTCTGATGTTAACCCAAAGTTCCACACGACGGGTCCAATATATTAGACAAAATGGCTCA
 ACTGCGGCTAGCACCGGTCCGGATCCAGCCTTACAGTAAGCCTACTTCATGGATGACTGGTCCCGGCTGC
 TTAGTGCCAGCGGGTTGGCCACAGTCATCTGACACTGCTCCTTCATGGTGTACTAACCTGAAGG
 CACACATTAACACCGCGCAGCCGGATTCCGGCAGTGGCTTCGATCCTCAAACGGATGCCTGGCCCA
 ACCAACCTGGAGTATAAATTGCAGTGGTACCAGACCTGAGGGCACCCGGGAACAATGGCAACATCATCG
 CGAATCCTTCTTGTCCATGCTGAGAGATCAGCTCCTGTACAAAGTAACCAAGACCTATAAATTGGT
 CGGAGACATATGGATGTTCCCAAACCAAGTCTGGGATCGTTCCCTATCACGAGGAAAACCCCATCTGG
 TGTAAAAAGCCCGCGCCGACAAGCATAACGATCATGGACCCCTTTGATGGCAGCATCGCGATGGACCACC
 CGCCTGGAACAATTTTCAAGATGGCCAAGATTCCAGTTCCTACTGCCTCTAATGCAGACTCCTACCT
 CAACATTTACTGTACCGCCAAGTTAGTTGTGAAATCGTGTGGAAAGTGGAAAGGTATGCTACTAAGAAC
 TGGAGGCTGAACGCCGACACCGCCCTTGGCATGCTACTGGCGGAGAATCTAATTACTCCACAT
 ATCATGTAGATCCTACCGCGCTTATATCCAGCCAACAAGTTATGACCAATGTATGCCCGTTAAGACCAA
 CATCAACAAAGTCCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100560 representing YP_338089
Red=Cloning sites **Green**=Tags

MSDTDIQDQDPDTPDAPQNTSGGGTGSIGGGKSGVGIISTGGWVGGSHFSDKYVVTKNTRQFITTIQNGH
 LYKTEAIEITTNQSGKSQRVTPWTYFNFNQYSCHFSPQDWQRLTNEYKRFPRKAMQVKIYNLQIKQILS
 NGADTTYNNDLTAGVHIFCDGEHAYPNASHPWDEDVMPDLPYKTWKL FQYGYIPIENELADLDGNAAGGN
 ATEKALLYQMPFFLENSDHQVLRTEFTFNFDCWVNNERAYIPPGLMFNPKVPTRRVQYIRQNGS
 TAASTGRIQPYSKPTSWMTGPGLLSAQRVGPQSSDTAPFMVCTNPEGTHINTGAAGFGSGFDPPNGCLAP
 TNLEYKQWYQTPTEGTGNNGNIIANPSLSMLRDQLLYKGNQTTYNLVGDIMWFPNQVWDRFPITRENPIW
 CKKPRADKHTIMDPFDGSIAMDHPPGTIFIKMAKIPVPTASNADSYLNIYCTGQVSCIEVWEVERYATKN
 WRPERRHTALGMSLGGESNYTPTYHVDPTGAYIQPTSYDQCMPVKTINKVL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_007455

ORF Size: 1626 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_007455.1, YP_338089](#)

RefSeq ORF: 1626 bp

Locus ID: 3711588

MW: 60.5 kDa