

## Product datasheet for **VC102082**

### **VP2 (NC\_000883) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	VP2 (NC_000883) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>The Viral ORF clone VC102082 represents NCBI reference of YP\_004928148 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**C

ATGACAAGCGTTAACTCTGCGGAGGCTTCCACAGGCGCTGGCGGTGGTGGTAGTAACCCAGTGAAATCTA  
TGTGGTCTGAAGGAGCAACTTTTTCCGCCAACTCCGTGACTTGTACCTTTAGTAGGCAGTTTCTGATCCC  
CTACGACCCGGAGCACCCTACAAGTTTTCTCCCCCGCAGCCAGTAGCTGTATAACGCCAGCGGGAAA  
GAGGCGAAGGTGTGTACCATTAGTCCAATTATGGGTTATCCACCCCTGGCGCTACCTCGACTTTAATG  
CATTGAACCTGTTTTTCAGCCACTGGAGTTCAGCACCTGATTGAAAACACGGGAGCATCGCACCTGA  
CGCTTTGACCGTTACCATCTCTGAAATTGCTGTGAAAGATGTTACTGATAAGACTGGCGGCGGTGTGCAA  
GTAAGTACTCCACCCTGGCGGTTGTGCATGCTGGTGGACCAGAGTACAAGTATCCATATGTGTTGG  
GCCAGGGACAGGACACCCTGGCACCGGAACTCCAATCTGGGTACTTTCCCCCGCAATACGCTTACCT  
CACCGTTGGCGAGTGAATACCCAGGGAATTAGTGGGGATTCTAAAAAATGGCCAGCGAGGAGTACGCC  
TTCTATGTACTGGAGCACTCATCTTTCCAGCTCTTGGGAACGGGCGGTACGGCGACAATGTCATACAAGT  
TCCCCCAGTACCACCTGAGAATCTCGAGGGATGTTCCAGCACTTTTACGAGATGTATAATCCACTGTA  
TGGGTCTAGGCTTGGTGTCCCCGACACACTCGGTGGAGATCCTAAGTTTATAGTCTCTCACACAGGAGAC  
CATGCTATCCAACCTCAGAACTTCATGCCTGGACCCCTTGTTAATTCTGTCTCCACTAAAGAGGGGGACT  
CTAGCAACACGGGTGCTGGCAAGGCCCTGACCGGCTGAGTACTGGCACCAGCCAGAATACGAGAATTTT  
CCTTAGACCTGGACCGGTGAGTCAACCATACCATCATTGGGATACCGATAAGTATGTAAGTGGGATTAAC  
GCCATCTCCACGGTCAGACCACCTACGGCAACGCCGAGGACAAGGAATACCAACAAGGAGTGGCCGGT  
TCCCTAACGAAAAAGAGCAACTGAAGCAGCTGCAGGGCTTGAATATGCATACATATTTTCTAATAAAGG  
CACCCAGCAGTATACCGACCAGATCGAACGCCCTTGATGGTTGGTTCCGCTGGAATAGGAGGGCTCTG  
CATTATGAGTCTCAACTCTGGTCCAAAATCCCAAACCTGGATGACTCTTTCAAGACTCAGTTCGACGCTC  
TCGGCGGATGGGGACTGCATCAGCCCCCTCCCAAATTTTCTGAAGATCCTGCCCAAAGTGGCCCCAT  
TGGGGGAATCAAGTCCATGGGTATAACCACCCTGGTCCAGTACGCCGTTGGAATCATGACTGTGACGATG  
ACCTTCAAGCTGGGGCCAAGGAAAGCTACAGGCAGGTGGAATCCCGAGCCAGGAGTGTACCCTCCACATG  
CAGCCGGTTCATCTGCCTTATGTTCTCTATGACCCACGGCTACGGATGCCAAACAGCATCACAGACAGG  
ATACGAAAAGCCAGAAGAGCTGTGGACTGCTAAGAGCCGGGTGCATCCTTG

**ACGCGT**ACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102082 representing YP\_004928148

Red=Cloning sites Green=Tags

MTSVNSAEASTGAGGGGSPVKSMSWSEGATFSANSVTCTFSRQFLIPYDPEHHYKVFSPAASSCHNASGK  
EAKVCTISPIMGYSTPWRYLDFNALNLFFSPLEFQHLIENYGSIPDALTVTISEIAVKDVTDKTGGGVQ  
VTDSTTGRLCMLVDHEYKYPYVLGQGQDTLAPELPIWVYFPPQYAYLTVGDVNTQGISGDSKKLASEESA  
FYVLEHSSFQLLGTGGTATMSYKFPVPPENLEGCSQHFYEMYNPLYGSRLGVPDITLGGDPKFRSLTHED  
HAIQPQNFMPGPLVNSVSTKEGSSNTGAGKALTGLSTGTSQNTIRSLRPGPVSQPYHHWTDKYVTGIN  
AISHGQTTYGNAEDKEYQQGVGRFPNEKEQLKQLQGLNMHTYFPNKGTTQYTDQIERPLMVGSVWNRRL  
HYESQLWSKIPNLDDSFKTQFAALGGWGLHQPPPQIFLKIIPQSGPIGGIKSMGITTLVQYAVGIMVTM  
TFKLGRKATGRWNPQPGVYPPHAAGHLPYVL YDPTATDAKQHRHRYEKPEELWTKRSRVHPL

**TR**RRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NC\_000883

**ORF Size:** 1662 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\\_000883.2, YP\\_004928148](#)

**RefSeq ORF:** 1662 bp

**Locus ID:** 11293627

**MW:** 60.9 kDa