

## Product datasheet for **VC102131**

### VP2 (NC\_009996) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VP2 (NC_009996) 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 VC102131 represents NCBI reference of YP_00152433 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCCAACGTGTGAGGCCTGTGGCATGTCCGATAGGCTCAAACAGATCACTATCGGAAATCAACAA  
TCACCACCAGGATACTCTCACTCCATTCTCGCATACGGGAAATGGCCAAAGTACCTGTCTGATCTTGA  
TGCTCCTCCGTGGACAAGCCAACCCACCCGAAACTTCTCTGATCGCTTCTACACACTCACATCAGTA  
GATTGGACTACTACCTCAAAGGTTGGTGGTGAAGCTCCCGATTGTCTGAAAGACATGGGAATCTTTG  
GCCAAAATCTGTATCATCACGCACTGGGTAGGTCAGGCTATATTTCACACACAGTGTAACGCTACAAA  
ATTCAATTCGGCTGCCTGATCGTGGCAGTGGTCCCGAGCACCAGCTCGCATATATCGGTGAAGCTAAC  
GTAAACGTGGGATACGACCACACACACCCCGGAGAAGGGGGACATGTAATCGGGAGCAACGTTCCGAGGG  
ACAATAACAGCCCGATGAAGACCCTTTCTTCAATTGCAATGGCACCTCCTGGGTAATAAACCATCTT  
TCCACACCAGCTTATAAATCTGCGGACGAACAACCTTCCACCATAGTCGTCCTCCCTACATAAACTGCGTC  
CCTATGGATAATATGCTGAGGCATAAACCTTAGCTTGGTGATTATCCCAATCGTCCCACTGAGAGCCG  
CCAACGGAGTGACAAAAGTGCCGATCACGATCAGCATCGCCCCAGACAAATCTGAATTCTCCGGCGCGAG  
ACAGAGCGTCAAGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC102131 representing YP\_001552433  
Red=Cloning sites Green=Tags

MSPTVEACGMSDRLKQITIGNSTITTQDTLNSILAYGEWPKYLSDL DASSVDKPTHPETSSDRFYLTSTV  
 DWTTTSGKWWKLPDCLKDMGIFGQNL YHHALGRSGYIIHTQCNA TKFN SGLIVAVVPEHQLAYIGEAN  
 VNVGYDHTHPGEGGHVIGSNVRRDNKQPDEDPFFNCNGTLLGNITIFPHQLINLR TNNSSTIVVPYINCV  
 PMDNMLRHNNLSLVIIPIVPLRAANGVTKVPITISIAPDKSEFSGARQSVKQ

TRRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_009996

**ORF Size:** 786 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\_009996.1, YP\_001552433  
RefSeq ORF: 786 bp  
MW: 28.9 kDa