

## Product datasheet for **VC100191**

### pVI (AC\_000018) Virus Tagged ORF Clone

#### Product data:

|                           |                                                                                                                                                                |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                                                                                            |
| Product Name:             | pVI (AC_000018) Virus Tagged ORF Clone                                                                                                                         |
| Tag:                      | Myc-DDK                                                                                                                                                        |
| Symbol:                   | pVI                                                                                                                                                            |
| Mammalian Cell Selection: | Neomycin                                                                                                                                                       |
| Vector:                   | pCMV6-Entry (PS100001)                                                                                                                                         |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                                                                                           |
| ORF Nucleotide Sequence:  | >The Viral ORF clone VC100191 represents NCBI reference of AP_000547 with codon optimized for human cell expression<br>Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGAAGATATCAACTTCTCAAGCCTTGCACCCCGGCATGGGACTAGGCCTTATATGGAACTTGGAGTG  
ACATTGGCACCTCACAGCTTAACGGTGGGGCCTTAACTGGTCTCAATCTGGTCAGGTCTCAAGAACTT  
TGGATCAACTGTCAAGACATACGGAACAAAGCGTGGAACAGCTCCACAGGACAGGCCCTGCGAAACAAA  
CTGAAGGAGCAGAACTTTCAGCAGAAAGTTGTCGACGGCATCGTTCCGGCATTAAACGGGGTGGTAGACC  
TGGCCAACCAAGCCGTTTCAGAAACAGATCAACAGTAGGCTTGACCCTCCACCAGCTACCCCGGTGAGAT  
GGAAGTGGAGGAGGAGCTGCCTCCTTTGGAGAAACGGGGGACAAGCGCCCCGACCCGAACTGGAGCAC  
ACCCTGGTTACGCGCGCCGACGAACCACCATCCTATGAAGAGGCAGTTAACTGGGCATGCCACTACAC  
GACCAGTAGCTCACATGGCAACCGGTGTCATGAAGCCTAGTGAGCTGCATAGGCCTGCCACATTGGATCT  
CCCCCCCCTCCAGCTCCGCAGCCCCGTTCCAAAGCCTGTGGCAACACGAAAGCCACAGCCGTGCAG  
CCTGTAGCTGTTGCCCGCCAGACCTGGGGGCACACCACGCCCAAGGCTAACTGGCAGAGTACCCTCA  
ACTCCATTGTGGACTTGGCGTTCAATCAGTAAAGCGGAGGCGCTGTTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100191 representing AP\_000547  
Red=Cloning sites Green=Tags

MEDINFSSLAPRHGTRPYMGTWSDIGTSQLNGGAFNWSSIWSGLKNFGSTVKTYGNKAWNSSTGQALRNK  
 LKEQNFQKVVVDGIASGINGVVDLANQAVQKQINSRLDPPPATPGEMEVEEELPPLKRGDKRPRPELEH  
 TLVTRADEPPSYEEAVKLGMPTRPVAHMATGVMKPSSELHRPATLDLPPPPASAAPVPKPVATRKPTAVQ  
 PVAVARPRPGGTPRPKANWQSTLNSIVGLGVQSVKRRRCY

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** AC\_000018

**ORF Size:** 750 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: AC\_000018.1, AP\_000547  
RefSeq ORF: 750 bp  
MW: 27.2 kDa