

## Product datasheet for VC100198

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	pVIII (AC_000018) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	pVIII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100198 represents NCBI reference of AP_000554 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCAAAGAGATTCCAACCTCCGTATATGTGGAGTTACCAGCCACAAATGGGGCTCGCCGCGGGCGCTA  
GTCAGGACTATAGTACACGAATGAATTGGCTGTCCGCCGACCTAGTATGATCTCACGGTTAACGATAT  
CAGAGCCTATCGGAATCAGCTCCTCCTGGAACAATCCGCCCTGACTACCACACCACGCCAGCACCTCAAC  
CCTAGAAACTGGCCCGCCCTGGTATACCAGGAGACACCAGCACCCACCACCGTCTTGCCTCGAG  
ACGCCCAGGCCGAAGTGCAGATGACTAATGCCGGCGTTTCAGCTTGCAGGTGGCTCCGCTCTTGGCCGCA  
CAGGCCCCAGCAGTCAATTAAGAGACTTGTTCATCAGAGGCCGCGGTATTAGCTTAACGACGAGTCCGTT  
TCAAGTAGTCTGGGGCTTCGGCCCGACGGCGTGTTCAGATCGCAGGATGTGGAAGGAGTTCCTTCACGC  
CCCGCCAGGCCGTCTGACCTTGAGTCCAGCAGTTCAGCCCGATCAGGAGGCATTGGCACACTTCA  
GTTTCGTAGAAGAGTTTACCCCTCTGTATATTTAATCCATTTTCCGGGTCTCTGGTCAATACCCGGAC  
GAGTTCATCCAAATTTGACGCCATCTCCGAGAGTGTGATGGGTACGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >VC100198 representing AP\_000554  
 Red=Cloning sites Green=Tags

MSKEIPTPYMWSYQPQMGLAAGASQDYSTRMNWLSAGPSMISRVDIRAYRNQLLLEQSALTTTPRQHLN  
 PRNWPAAALVYQETPAPTTVLLPRDAQAEVQMTNAGVQLAGGSALCRHRPQQSIKRLVIRGRGIQLNDES  
 VSSSLGLRPDGVFQIAGCGRSSFTPRQAVLTLESSSSQPRSGGIGTLQFVEEFTPSVYFNPFSGSPGQYPD  
 EFIPNFDAISESVDDGYD

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** AC\_000018

**ORF Size:** 681 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\_000554  
RefSeq ORF: 681 bp  
MW: 24.9 kDa