

Product datasheet for **VC100093**

pVIII (AC_000019) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | pVIII (AC_000019) 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 VC100093 represents NCBI reference of AP_000591 with codon optimized for human cell expression Red =Cloning site Blue =ORF Green =Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTAAGGAAATTCACCCCTACATGTGGAGTTACCAGCCACAGATGGGACTTGCAGCCGGGGCTT
CACAGGACTACTCTACAAGGATGAATTGGCTTAGTGCCGGCCCTCTATGATTTCCAGGGTGAACGACAT
CCGGCCTATCGGAACCAGATTCTGCTGGAACAGAGCGCTTTGACAACCACTCCCCGACAGCATCTGAAC
CCTCGCAACTGGCCGGCAGCTCTTGCTACCAAGAGAGCCCTGCGCAACTACCGTTCTGCTGCCACGCG
ATGCTCAGGCGGAAGTGCAGATGACTAATGCTGGCGCACAACTGGCTGGTGGGTCTACCCTGTGCAGACA
TAGGCCACGGCACAACATCAAGCGGCTTATGATAAGAGGCGGGGATACAGTTGAATGATGAGTCAGTC
TCCAGCCCACTGGGGCTTCGGCCAGACGGCATTTCAGATTGCTGGCTGCGGACGATCTCTTTTCACAC
CCCGGCAGGCGGTTCTGACCCTCGAATCTTCTCATCCCAACCGCGGTCAGGTGGGATCGGCACAGTGCA
GTTTGTGAGGAGTTTACACCATCCGTTTATTTTAACTCTTTTAGTGGATCTCCCGCCACTATCCAGAT
GAGTTCATTCTAATTCGATGCCATTTCCGAAAGTGTGGACGGTTACGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100093 representing AP_000591
 Red=Cloning sites Green=Tags

MSKEIPTPYMWSYQPQMGLAAGASQDYSTRMNWLSAGPSMISRVDIRAYRNQILLEQSALTTTPRQHLN
 PRNWPAALVYQESPAPTTVLLPRDAQAEVQMTNAGAQLAGGSTLCRHRPRHNKRLMIRGRGIQLNDES
 SSPLGLRPDGIFQIAGCGRSSFTPRQAVLTLESSSSQPRSGGIGTVQFVEEFTPSVYFNPFSGSPGHYP
 EFIPNFDAISESVDGVD

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: AC_000019

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_000019.1, AP_000591
RefSeq ORF: 681 bp
MW: 25.0 kDa