

Product datasheet for **VC100050**

pVIII (AC_000007) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | pVIII (AC_000007) 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 VC100050 represents NCBI reference of AP_000181 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTAAGAAATACCAACACCATACATGTGGAGCTACCAACCTCAGATGGGCTTGGCGGCAGGGGCTG
CACAGGACTACTCCACCCGCATCAACTACATGAGTGCAGGGCCACATATGATATCTAGGGTGAACGGGAT
CAGGGCTCACAGAAATCGGATTCTGCTTGAACAGGCAGCTATTACCACCACCCCTCGGAATAACCTCAAT
CCGAGGAGCTGGCCTGCAGCGCTCGTGTACCAGGAATCTCCTGCACCTACAACAGTCGTCCTGCCTCGCG
ACGCCCAGGCTGAGGTGCAAATGACAAATAGCGGCGCTCAGCTGGCCGGAGGCTTCCGACATAGGGTGAG
GTCTCCCGGGCAGGGCATTACTCACCTGAAAATCCGAGGGCGAGGGATCCAGCTGAATGACGAATCTGTG
AGTAGTAGTCTGGGCCTCAGACCCGATGGTACCTTCCAGATAGGAGGAGCCGGACGCTCTAGCTTCACTC
CAAGACAAGCCATCCTTACACTTCAAACCTCCTCAAGCGAGCCCCGAGTGGCGGCATCGGAACACTGCA
GTTTATCGAGGAGTTCGTGCCAGCGTGTACTTTAATCCTTTTTCTGGGCTCCGGGACACTATCCTGAC
CAGTTTATCCCTAATTCGACGCCGTGAAGGATTCAGCAGACGGTACGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC100050 representing AP_000181
 Red=Cloning sites Green=Tags

MSKEIPTPYMWSYQPQMGLAAGAAQDYSTRINYSAGPHMISRVNGIRAHNRNILLEQAAITTTPRNLN
 PRSWPAALVYQESPAPTTVVLPDAQAEVQMTNSGAQLAGGFHRHVRSPGGQITHLKIRGRGIQLNDES
 VSSSLGLRPDGTQIGGAGRSSFTPRQAAILTLQTSSSEPRSGGIGTLQFIEEFVPSVYFNPFSGPPGHYP
 DQFIPNFDAVKDSADGYD

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: AC_000007

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_000007.1, AP_000181
RefSeq ORF: 681 bp
UniProt ID: P03254
MW: 24.7 kDa