

Product datasheet for **VC100647**

VP1 (NC_012798) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP1 (NC_012798) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC100647 represents NCBI reference of YP_002956080 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCACAGACAACGCAGAGAAGGGTACCAGTTCTAACCACGATGCCTCCCTGACCGGAGGCCATAGTG
TAGGAATTAAGGTAGCACACTCCGACACAAGCTTTTTCTTTGACCGATATAGATATATTGGAACCGTGGA
GTCAACAAAAACACCCCTGCCACCGTTGCTACGCTGACTGACACTAACGGAATTATCAAGAGCTTCAAC
AATCTTGCCAATGCCGATAATGGATAACAAGAAAGTTTTGATGCTGGCGCCTAATCCCTCATTTTGTGGGG
CCGCATACACAGTCTTCGCTATGTTTCGACCAAACCGGCACCACCGCGCTAAGAAGCGCTTGCTGTTTTGG
ACAGGGGGACTACCACCTGTATAGGCTTGGCCCTTTCACCTACTACACCGCCGATCTCGAAGTTACTGTC
GTGCCAGACGCAGGAGTGGCGGGACCATGGAGGGTTACTTGGCTTCCCCTTGGCGCCCGCTCGATGAGA
TCGAAATGATTACCAGCGAGACATCAAATCCCCAGTCTTGGAGTTTCTTCACTGAGGATAGGAAGGACTC
TTCCTCTCTACAGCCTCAACCCACCTTCTGGTCTAACGATCAAATAAGGTGTCTTTTCGATATTCCT
ATGACCACCCCTCTGACTCTGTTGCCCTGTACTTCGACGGTTACCCCGACTATAGCAATACAAAGGGCC
TGTATGGTGTAGCCCAGCTAACGGCTTCGGCAACATCGTGGTAAAGTCCAATACCCTGGCTGACAAGTT
TATGGTTTACATCAGATACAAAACTTTAGGGGTACGTGCCAAGGCCACTGCCCGGCTGGTTACG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >VC100647 representing YP_002956080
 Red=Cloning sites Green=Tags

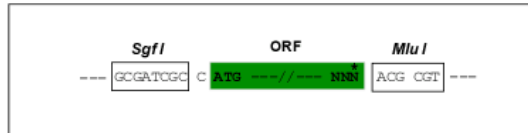
MPHDNAEKGTSNHDASLTGGHSVGIKVAHSDTSFFFDRYRYIGTVESTKNTPATVATLTDTNGIIKSFN
 NLANADNGYKKVLM LAPNPSFCGAA YTFAMFDQTGTTGAKKRL LFGQGDYHL YRSCPFTYYTADLEVTV
 VPDAGVAGPWRVTWLPV GAPLDEIEMITSETSNPQSW SFFTEDRKDSSSL YSLNPTFWSNDQNKVSFDIP
 MTTPLTLLPLYFDGYPDYSNTKGLYGVAPANGFGNI VVKSNLADKFMVYIRYKNFRGYVPRPLRLVQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NC_012798

ORF Size: 837 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_012798.1, YP_002956080
RefSeq ORF: 837 bp
MW: 30.9 kDa