

Product datasheet for **VC100559**

VP1 (NC_007455) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP1 (NC_007455) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>The Viral ORF clone VC100559 represents NCBI reference of YP_338088 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCCCTATCAAGAGACAGCCCCGAGGGTGGGTCTGCCCGTTACAGGTATCTGGTCCATTCAACC
CTTTGGACAACGGAGAGCCTGTCAATAATGCAGATCGCGCCGACAGCTGCACGACCATGCCTATAGCGA
GCTGATCAAATCCGGCAAGAATCCATACCTGTACTTTAAACAAAGCAGATGAGAAGTTCATCGACGATCTG
AAGGATGACTGGTCCATAGGCGGCATTATTGGCAGCAGCTTCTTTAAGATCAAACGAGCAGTTGCACCCG
CTCTCGGTAACAAGGAGAGGGCACAGAAGAGGCCTTTTACTTTGCTAACTCCAATAAAGGAGCAAAAA
GACCAAAAAATCTGAACCAAGCCGGGCACCAGCAAGATGAGTGACACCGATATACAGGACCAGCAGCCG
GACTGTAGACGCTCCTCAAAATACTAGTGGGGGGGACTGGGTCTATAGGTGGAGGTAAAGGGTCTG
GCGTGGGAATTTCCACCGGAGGGTGGGTGGCGGGAGTCAATTCAGCGACAAGTACGTGGTACTAAAA
CACCCCGCAGTTTATTACCACAATTCAAAATGGCCATCTGTACAAGACGGAGGCAATCGAAACAACAAAT
CAGAGCGGAAAGAGCCAGCGGTGCGTGACTACCCCTGGACCTATTTAACTTCAACCAGTATTCCTGCC
ACTTTAGCCCTCAAGATTGGCAGCGGCTCACCAACGAATACAAACGCTTTCGGCCAAAGGCAATGCAGGT
AAAGATCTATAACCTGCAGATTAAGCAAATCCTCTCCAATGGCGCCGATACAACATACAACATGATCTG
ACAGCGGGGGTTCACATTTCTGTGACGGGAACACGCTTATCCCAACGCTTACACCCGTGGGACGAGG
ATGTGATGCCGACCTGCCGTACAAGACTTGGAACTTTTTCAGTATGGATACATTTCCATTGAGAATGA
ACTCGTGACCTCGATGGCAATGCTGCAGTGGGAATGCGACCGAGAAGGCATTTCTACCAGATGCCT
TTTTTTCTCCTGGAGAATTCAGATCACCAGGTCCTTCGCACTGGTGAGAGTACAGAGTTCATTTCAATT
TCGATTGCGAATGGGTCAACAATGAGAGGCTTACATCCCTCCGGGGCTTATGTTCAATCCTAAAGTCCC
TACCCGGAGGGTGCAGTATATCCGGCAGAACGGGTCCACGGCAGCCTCTACTGGCCGATCCAACCTAT
TCCAAGCCACATCCTGGATGACCGGACCTGGGCTGCTGTGAGCTCAAAGAGTCGGACCACAGAGCTCAG
ACACCGCACCTTTCATGGTTTGTACCAATCCGGAAGGAACTCACATTAACACTGGTGCAGCAGGATTCGG
CAGTGGTTTCGATCCCCCAATGGCTGCTTGGCCCCAACAAATCTTGAATACAACTGCAATGGTACCAG
ACCCCGGAAGGTACCGGCAACAATGGAATATCATTGCCAATCCCTCCCTGAGTATGCTTCGAGATCAAT
TGTTGTACAAGGGCAACCAGACCACTTATAACCTTGTGGTGACATCTGGATGTTTCCAACCAGGTATG
GGACAGGTTTCTATCACCAGGAAAATCCCATATGGTGCAAAAAACCGCGCAGATAAACATACAATT
ATGGATCCTTTCGATGGGAGTATTGCCATGGACCATCCACCTGGCACAATCTTCAAGATGGCCAAAA
TCCAGTGCCAACCGCTTCAAATGCTGACTCCTACTTGAATATCTACTGTACAGGGCAGGTGCTTTGTGA
AATTGTTTGGGAAGTGGAAAGATACGCCACAAAAATGGAGGCCTGAAAGGCGACATACAGCCCTCGGC
ATGCTACTGGGTGGAGAGAGTAATTACACCCCAACATACCATGTGGACCCGACGGGAGCCTACATCCAGC
CCACCTCTATGACCAGTGTATGCCCGTAAAAACAACATCAACAAGGTACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100559 representing YP_338088
Red=Cloning sites Green=Tags

MPPIKRQPRGWLPGYRYLGPFNPLDNQEPVNNADRAAQLHDHAYSELKSGKNPYLYFNKADEKFIDDL
 KDDWSIGGIIGSSFFKIKRAVAPALGNKERAQKRHFYFANSNKGAKKTKKSEPKPGTSMKSDTDIQDQP
 DTVDAPQNTSGGGTGSIGGGKSGVGI STGGWVGGSHFSDKYVVTKNTRQF ITTIQNGHL YKTEAIETTN
 QSGKSQRVCTTPWTFNFNQYSCHFSPQDWQRLTNEYKRFRPKAMQVKIYNLQIKQILSNGADTTYNNDL
 TAGVHIFCDGEHAYPNASHPWDEDVMPDLPYKTKWKL FQYGYIPIENELADLDGNAAGNATEKALLYQMP
 FFLENSDHQVLR TGESTFTFNFDCEWYNNERAYIPPGLMFNPKVPTRRVQYIRQNGSTAASTGRIQPY
 SKPTSWMTGPGLLSAQRVGPQSSDTAPFMVCTNPEGTHINTGAAGFGSGFDPPNGCLAPTNEYKLQWYQ
 TPEGTGNNGNIIANPSLSMLRDQLLYKGNQTTYNLVGDIMFNPQVWDRFPITRENPIWCKKPRADKHTI
 MDPFDGSIAMDHPPGTIFIKMAKIPVPTASNADSYLNIYCTGQVSCEI VWEVERYATKNWRPERRHTALG
 MSLGGESNYTPTYHVDPTGAYIQPTSYDQCM PVKTNINKVL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_007455

ORF Size: 2013 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_007455.1](#), [YP_338088](#)

RefSeq ORF: 2013 bp

Locus ID: 3711587

MW: 75.1 kDa