

Product datasheet for **VC100555**

VP1 (NC_012729) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP1 (NC_012729) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>The Viral ORF clone VC100555 represents NCBI reference of YP_002916062 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCTCCATCAAAGACAGCCTGGAGGCTGGGTGTTGCCTGGGTATAAGTATCTCGGCCCGTTCAATC
CTCTCGAGAACGGAGAACCAGGTGAACAAGGCGGACAGGGCAGCTCAGGCCACGATAAGTCTTATTCTGA
GCTGATTAAGAGCGGCAAGAACCCTTACCTCTATTTCAATAAGGCCGACGAGAAGTTCATCGATGACCTC
AAAGATGACTGGTCACTGGGGGGATAATCGGTAGCTCATTCTTCAAGCTTAAAAGAGCCGTTGCTCCGG
CACTCGGAAACAAAGAACGGGCTCAGAAGAGACATTTCTATTTTGCTAATAGCAATAAAGGGGCTAAAA
GACTAAGAACAATGAGCCCAAGCCTGGGACGAGTAAGATGTCTGAAAATGAAATTCAGGACCAGCAGCCC
TCAGACAGCATGGATGGCCAGAGAGGTGGGGTGGCGGTGCCACCGGCTCTGTTGGCGGGCAAAGGAT
CTGGCGTTGGAATTTCTACCGGTGGCTGGGTAGGAGGCTCTATTTTACAGATAGCTATGTAATTACTAA
AAATACAAGACAGTTTCTGGTGAAGATACAGAACAATCAACAATACAAAACCTGAACTGATCAGCCCTTCT
ACCTCCCAAGGAAAAGCCAACGCTGCGTATCCACCCCTGGAGCTATTTCAACTTTAATCAGTATTCTCT
CCCATTTTCTCCACAAGACTGGCAACGGTTGACCAACGAATACAAGAGATTCCGCCCTAAAGGGATGCA
TGTAAGATATACAATCTTCAGATCAAGCAAATACTGTCAAACGGGGCCGACACAACGTATAATAACGAT
TTGACTGCTGGGTCCACATCTTCTGTGACGGAGAGCAGCCCTACCCTAACGCCACTCATCCCTGGGATG
AAGATGTGATGCCGGAGCTGCCTTATCAGACTTGGTACCTGTTTTCAGTATGGCTACATACCCGTGATTCA
CGAATTTGGCAGAGATGGAAGATTCCAACGCCGTTGAAAAAGCCATCTGCCTGCAGATTCGGTTCTTTATG
CTCGAGAATAGTGACCATGAGGTGTTGCGCACGGGAGAAAAGTACAGAATTCACGTTTAACTTTGATTGTG
AGTGGATTAATAATGAACGGGCATACATTCTCTGCGCTTATGTTCAATCCACTCGTGCCAACCCGGCG
AGCTCAATACATCCGGCGAAATAATAACCCTCAGACAGCTGAGAGCACTCCCGAATTGCACCATATGCC
AAACCGACATCTGGATGACCGGACCTGGCCTGCTGAGCGCGCAGAGAGTCGGACCTGCCACATCTGATA
CGGGCGCTTGGATGGTGGCCGTCAAGCCCGAGAACGCCAGTATTGATACAGGCATGTCCGGCATTGGCAG
TGGCTTCGATCCCCCAAGGTTCCCTGGCCCTACCAATCTGGAATACAAAATTCAGTGGTATCAAACA
CCTCAGGGCACAATAATAATGGGAACATCATTTCAAATCAACCTCTTTCAATGCTTCGCGATCAGGCAT
TGTTCAAGGGGAATCAGACTACCTATAATTTGTGCTCTGACGTTTGGATGTTCCCAACCAATCTGGGA
TCGGTACCCATTACCAGGAAAATCCAATTTGGTGTAAAAGCCAAGGTCAGATAAACACACCACCATA
GACCCATTGATGGCAGTCTGGCAATGGACCATCTCCGGGCACAATATTCATTAAGATGGCAAAAATAC
CAGTGCCTTCAAACAATAACGCAGATTCTATCTGAACATTTACTGCACCGGACAAGTGTATGTGAGAT
AGTGTGGGAGGTAGAGAGATATGCTACGAAAACTGGAGACCCGAACGGAGGCACACTACCTTCGGCCTT
GGCATTGGAGGCGCCGACAACCTGAATCCCACTTACCAGTGGACAAGAATGGCACCTACATACAACCTA
CAACCTGGGACATGTGCTTCTGTGAAGACTAACATCAACAAAGTCCTT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100555 representing YP_002916062
 Red=Cloning sites Green=Tags

MPPIKRQPGGWVLPGYKYLGPFNPLENGEPVNKADRAAQAHDKSYSELIKSGKNPYLYFNKADEKFIDDL
 KDDWSLGGIIGSSFFFLKRAVAPALGNKERAQKRHYFANSNKGAKKTKNNEPKPGTSKMSENEIQDQQP
 SDSMDGQRRGGGGATGSVGGKGSVGIISTGGWVGGSYFTDSYVITKNTRQFLVKIQNNHQYKTELISPS
 TSQGKSQRCVSTPWSYFNFNQYSSHFSPODWQRLTNEYKRFRPKGMHVKIYNLQIKQILSNGADTTYND
 LTAGVHIFCDGEHAYPNATHPWDEDVMPPELPHYQTWYLFQYGYIPVIHELAEEDSNAVEKAICLQIPFFM
 LENSDEHLRTGESTFTFNFDCEWINNERAYIPPGLMFNPLVPTTRRAQYIRRNPNQTAESTSRIAPYA
 KPTSWMTGPGLLSAQRVGPATSDTGAWMVAVKPENASIDTGMMSGIGSGFDPPQGS LAPTNLEYKIQWYQT
 PQGTNNNGNIISNQPLSMLRDQALFRGNQTTYNLCSDVWVFPNQIWD RYPITRENPIWCKKPRSDKHTTI
 DPFQDGLAMDHPPGTIFIKMAKIPVPSNNDADSYLNIYCTGQVSC EIVWEVERYATKNWRPERRHTTFGL
 GIGGADNLNPTYHVDKNGTYIQPTTWD MCFPVKTNINKVL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_012729

ORF Size: 2010 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_012729.2](#), [YP_002916062](#)

RefSeq ORF: 2010 bp

Locus ID: 7922602

MW: 75.4 kDa