

Product datasheet for **VC100546**

VP1 (NC_012042) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP1 (NC_012042) 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 VC100546 represents NCBI reference of YP_002586775 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCCCTATCAAGAGACAGCCGGGTGGGTGTTGCCGGGTATAAATACCTGGGACCTTTCAACC
CCCTCGAAAATGGCGAACCCGGTGAACAAGGCTGATAGAGCAGCCCAAGCCCATGATAAGTCTTACAGTGA
AATAATAAAGTCAGGTAAGAATCCCTACCTGTATTTTAAACAAGGCAGACGAGAAGTTCATTGATGACCTG
AAAAACGATTGGTCACTGGGGGGCATCATTGGCAGTAGTTCTTTAAACTGAAGAGAGCTGTCGCTCCAG
CCCTGGGCAACAAAGAGAGGGCACAGAAGAGACATTTTTACTTTGCCAATCCAACAAGGGGGCTAAGAA
ACCAAAGAACAATGAGCCAAACCAGGCACCTCTAAGATGAGTGAGAATGAAATCCAGGACCAACAACCC
TCTGGTAGCATGGAAGAAAGAGGGCGCGCGGGCAGCAGTCCGGTCCGTAGGCGGGGGCAAGGGTTCAA
GTGTCGGCATCAGCACTGGAGGGTGGTTCGGAGGGTCTTATTTTACTGACTCCTACGTGATCACCAGAA
CACACGGCAATCTTGGTCAAGATTGAGAACGATCATAAGTATAGAACAGAGAATATCATCCCTAGCAAC
GCAGGAGGGAAGTCACAGCGATGTGTGAGCACCCCATGGAGTTACTTCAATTTTAAACAGTACAGTTCCC
ACTTCAGTCCCCAGGATTGGCAGCATTTGACTAACGAGTATAAACGCTTTAAACCAAGAAAAATGCATGT
GAAAATTTACAATCTGCAGATTAACAGATTCTCAGCAATGGAGCCGATACAACATATAAATGATCTT
ACCGCAGGAGTACATATTTTCTGTGATGGCGAGCACGCTTACCCAAACGCAACTCACCCCTGGGACGAGG
ACGTGATGCCAGAACTCCCTACGAAACCTGGTACCTGTTTTCAGTATGGCTACATTCCAGTTATCCACGA
ACTGGCTGAAATGGAGGACGCGAACGCTGTTGAAAAGGCAATCGCACTGCAGATACCCCTTCTTTATGCTG
GAGAATCCGACCATGAAGTGCTTCGGACAGGCGAGAGTACGGAATTCAGTTTCGATTTTGGATTGCGAAT
GGATCAACAACGAGCGCGCTATATCCCTGGCCTGATGTTCAACCCAAAGGTTCCCACTAGGAGAGC
GCAATACATCAGGCAGCACGGGAACACGGCCTCCTCAAACACAAGAATTCAACCATATGCGAAGCCAACT
TCCTGGATGACTGGACCTGGCCTGCTGAGTGCCAGAGGGTTGGACCAGCCGGCTCTGATACCGCCAGCT
GGATGGTGGTGGTCAACCCAGACGGAGCCGCTGTTAATCCGGGATGGCCGGCGTTGGGTCCGGTTTCGA
CCCCCAAGCGGATCCCTGCGCCCCACGGATCTGGAGTAAAGATTTCAGTGGTATCAGACCCAGCCGGG
ACAAATAGCGACGGCAATATTATCAGCAACCCGCCTCTGTCTATGCTTCGGGACCAGGCCCTGTACCGGG
GAAATCAGACCACCTACAACCTGTGTAGCGACGTATGGATGTTTCCAATCAGATTTGGGACAGATACCC
CATAACACGGGAGAACCCAATCTGGTGTAAAGAACTCGCAGTGATAAAAACACCATCATAGACCCGTTT
GACGGGACACTGGCCATGGATCACCCGCGGGCACCATTTTTATTAAGATGGCCAAGATTCCGGTCCCTT
CTAAACAACATGCTGATAGTTACCTGAACATCTACTGTACCGGCCAAGTTAGTTGTGAGATCGTGTGGGA
AGTGGAACGGTACGCTACTAAAACTGGCGCCCTGAACGGAGGCATACCGCACTCGGTTTGGGGATCGGC
GGAGAGGAGAACGTTAATCCTACCTACCATGTGGACAAGAATGAAAAATACATTCAGCCCACTACTTGGG
ACATGTGTACCCCATTAAGACTAATATTAATAAAGTGCTT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC100546 representing YP_002586775
Red=Cloning sites Green=Tags

MPPIKRQPGGWLPGYKYLGPFNPLENGEPVNKADRAAQAHDKSYSEIIKSGKNPYLYFNKADEKFIDDL
 KNDWSLGGIIGSSFFFLKRAVAPALGNKERAQKRHFYFANSNKGAKPKNNEPKPGTSKMSENEIQDQQP
 SGSMEEERGGGGAVGSVGGGKSSVGI STGGWVGGSYFTDSYVITKNTRQFLVKIQNDHKYRTENIIPSN
 AGGKSQRCVSTPWSYFNFNQYSSHFSPQDWQHLTNEYKRFRKPRKMHVKIYNLQIKQILSNGADTTYNNDL
 TAGVHIFCDGEHAYPNATHPWDEDEVPELPHYETWYLFQYGYIPVIELAEMEDANAVEKAIALQIPFFML
 ENSDHEVLRTGESTFTDFDCEWINNERAYIPPLMFNPKVPTTRRAQYIRQHGNTASSNTRIQPYAKPT
 SWMTGPGLLSAQRVGPAGSDTASWVVVNPDGAAVNSGMAGVGSFGDPPSGSLRPTDLEYKIQWYQTPAG
 TNSDGNII SNPPLSMLRDQALYRGNQTTYNLCSDVWVFPNQIWD RYPITRENPIWCKKPRSDKNTIIDPF
 DGTLAMDHPPGTIFIKMAKIPVPSNNNADSYLNIYCTGQVSC EIVWEVERYATKNWRPERRHTALGLGIG
 GEENVNPTYHVDKNGKYIQPTTWDMCYPIKTNINKVL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NC_012042

ORF Size: 2001 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_012042.1](#), [YP_002586775](#)

RefSeq ORF: 2001 bp

Locus ID: 7755624

MW: 74.9 kDa