

Product datasheet for **VC100547**

VP2 (NC_012042) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP2 (NC_012042) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP2
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 VC100547 represents NCBI reference of YP_002586776 with codon optimized for human cell expression
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGAGAACGAAATCCAAGACCAACAGCCAAGTGGGTCCATGGAAGAAAGGGTGGTGGAGGAGGAG
 CAGTTGGCTCCGTAGGAGGTGGCAAAGGAAGCTCCGTAGGCATATCTACCGTGGATGGGTTGGGGGCTC
 ATATTTACAGATTCATACGTCATTACTAAGAACCAGGCAGTTCCTGGTGAAGATACAGAACGATCAT
 AAGTACAGGACAGAAAATATCATCCCATCCAACGCTGGTGGGAAATCACAGCGATGCGTGTCCACACCAT
 GGTCTTACTTCAATTTCAACCAATATTCCTCTCACTTCTCCCCCAAGATTGGCAACACTTGACCAACGA
 GTACAAAAGGTTCAAACCACGGAAGATGCATGTGAAGATATAACCTCCAAATCAAGCAGATCCTCTCA
 AACGGGGCTGATACCACCTATAATAATGACCTCACGGCGGGGTCATATCTTTTGTGATGGTGAACACG
 CATACCCAAACGCAACCCATCCCTGGGACGAAGACGTCATGCCAGAGCTGCCCTATGAGACCTGGTACCT
 GTTCCAGTACGGATATATACCTGTCATCCACGAGTTGGCTGAAAATGGAGGACGCAAACGCGCTTGAGAAG
 GCAATAGCTTTGCAAATTCCTTTTTTCATGCTGAAAAATAGCGATCACGAAGTACTGCGAACAGGCGAAT
 CCACCGAGTTCACATTCGACTTTGATTGTGAGTGGATTAATAACGAGCGAGCCTATATTCCTCTGGCCT
 GATGTTCAATCCCAAAGTACCCACACGCGCGCCAATACATAAGGCAGCATGGTAACACTGCAAGCAGC
 AATACAAGAAATCCAGCCTTATGCCAAGCCTACTAGCTGGATGACAGGCCCGGGCTGCTCAGTGGCCAGA
 GAGTTGGCCAGCCGGAAGCGATACAGCATCCTGGATGGTGGTCGTAACCCAGATGGAGCAGCAGTGAA
 TTCCGGCATGGCAGGCGTGGGGAGTGGATTTGATCCTCCATCAGGGTATTGAGACCAACTGATCTTGAA
 TACAAAATCCAGTGGTATCAGACTCCAGCAGGACCAACTCTGACGGAAACATTATCAGCAATCCTCCTT
 TGTCAATGCTGCGGGACAGGCCCTGTATAGGGCAACCCAGACGACCTACAATCTGTGCAGCGACGCTCTG
 GATGTTTCCAAATCAGATCTGGGACCGATATCCAATCACCAGGGAGAACCCATTTGGTGAAGAAGCCT
 AGAAGCGACAAGAACACGATCATAGATCCTTTCGACGGGACACTCGCCATGGATCACCCGCCCGGCACTA
 TCTTTATCAAAATGGCAAAGATACCCGTCCTAGTAATAACAACGCTGATAGTTACCTCAACATTTATTG
 TACAGGCCAGGTCTCCTGTGAAATCGTTTGGGAAGTCGAACGGTATGCTACCAAAAACCTGGAGACCCGAG
 CGGAGGCACACAGCACTTGGGCTCGGAATAGGCGGCGAAGAGAACGTGAACCAACTACCATGTGGATA
 AAAACGGTAAATATATTCAGCCACTACATGGGACATGTGTTATCCTATTAAGACAAATATTAATAAGGT
 GCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100547 representing YP_002586776
 Red=Cloning sites Green=Tags

MSENEIQDQPPSGSMEERGGGGAVGSVGGGKSSVGI STGGWVGGSYFTDSYVITKNTRQFLVKIQNDH
 KYRTENIIPSNAGGKSQRVSTPWSYFNFNQYSSHFS PQDWQHLTNEYKRFKPRKMHVKIYNLQIKQILS
 NGADTTYNNDLTAGVHIFCDGEHAYPNATHPWDEDMPEL PYETWYLFQYGYIPVIELAEMEDANAVEK
 AIALQIPFFMLENSDHEVLRTGESTFTDFDCEWINNERAYIPPGLMFPKVPTRRAQYIRQHNTASS
 NTRIQPYAKPTSWMTPGGLLSAQRVGPAGSDTASWMMVVNPDGAAVNSGMAGVSGSDFPPSGSLRPTDLE
 YKIQWYQTPAGTNSDGNIIISNPPLSMLRDQALYRGNQTTYNLCSDVMMFPNQIWD RYPITRENPIWCKP
 RSDKNTIIDPFDGTLAMDHPPGTIFIKMAKIPVPSNNDASYLNIYCTGQVSCEI WVEVERYATKNWRPE
 RRHTALGLGIGGEENVNPTYHVDKNGKYIQPTTWDMCYP IKTNINKVL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_012042

ORF Size: 1614 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_002586776](#)

RefSeq ORF: 1614 bp

Locus ID: 7755625

MW: 60.5 kDa