

Product datasheet for **VC100556**

VP2 (NC_012729) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP2 (NC_012729) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>The Viral ORF clone VC100556 represents NCBI reference of YP_002916063 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGC**

ATGAGTGAGAATGAAATCCAGGACCAGCAGCCTCCGATTCCATGGACGGTCAGAGAGGGGGAGGGGTGCGCTACCGGCTCTGTCGGTGGGGGAAAGGAAGCGCGTGGGAATTAGCACCGCGGATGGGTTGGAGGAAGTTATTTACAGATTCATATGTGATCACTAAAAATACCAGGCAGTTTTTGGTAAAAATCAAACAATCACCAATACAAAACAGAGCTGATTTCCCATCTACTAGCCAGGGCAAGTCCCAGCGCTGCGTGAGTACCCGTTGGTCTATTTAACTTTAACAGTACTCCAGCCACTTAGCCCCAGGACTGGCAGAGGCTGACAAAACGAGTATAAAAGATTTAGACCCAAAGGAATGCACGTCAAGATCTATAATCTGCAAATAAAACAAATTCTCAGCAACGGAGCTGACACTACCTATAACAATGATCTCACAGCAGGAGTCCACATTTTTTGTGATGGGGAGCATGCTATCCCAACGCCACGCATCCGTGGGATGAGGATGTCATGCCAGAGCTGCCATACCAGACATGGTACCTTTTCAATACGGTTATATCCCGTGATCCAGGAGCTGGCCGAGATGGAGGATAGTAATGCGGTGGAAAAAGCGATCTGCCTGCAGATTCCTTCTTCATGCTGAAAACTCCGACCATGAGGTGCTCAGGACGGCGAGTCTACAGAATTTACCTTCACTTCGACTGCGAATGGATCAATAACGAAAGGGCTTACATCCCTCCGGACTGATGTTTTAACCCACTCGTCCCACCCGCGCCAGTATATAAGACGCAACAATAATCCCAGACGCCGAAAGTACTTCAAGGATCGTCCCTACGCCAAGCCAACATCATGGATGACCGGACCCGGTCTCTTGA GCGCGAACGGTTCGGCCTGCAACATCCGACACCGGAGCTTGGATGGTGGCCGTGAAGCCCGAGAACGC CAGCATAGATACCGGGATGTGAGCATCCGTAGCGGATTTGACCTCCACAGGGAAGTCTCGCCCCAACCACTGGAATACAAAATTCAGTGGTACCAGACCCCGAGGGCACAAACAACGGAACATAATCTCCAATCAACCTCTGAGTATGTTGCGCGACCAGGCCCTTTTAGGGGGAACCAAACTACCTATAAATCTCTGCAGTGACGTATGGATGTTTCCAATCAGATCTGGGACCGGTATCCATTACCCGCGAGAACCCATTTGGTGAAGAAACCGCGATCCGATAAGCACACAACAATCGATCCATTTCGACGGCTCCCTGGCGATGGACATCCTCTGGTACCATTTTTATCAAAATGGCTAAGATCCCCGTGCCAGCAATAAATGCTGACAGCTATCTCAACATTTACTGTACCGACAGGTCTCTTGCAAAATCGTATGGGAGGTTGAACGCTACGCTACCAAGAATTGGCGCCCCGAAAGGAGGCACACTACGTTTGGCCTCGGAATCGGGGGGCGGACAACCTCAACCCACCTACCATGTGGATAAGAATGGCACGTACATTACGCCACCACATGGGACATGTGCTTCCCGTAAAAACAATATCAACAAGGTGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100556 representing YP_002916063

Red=Cloning sites Green=Tags

MSENEIQDQPPSDSMDGQRGGGGATGSVGGGKSGVGIISTGGWVGGSYFTDSYVITKNRQFLVKIQNNHQYKTELISPSTSQGKSQRCVSTPWSYFNFNQYSSHFSPQDWQLTNEYKRFPRKGMHVKIYNLQIKQILSNGADTTYNNDLTAGVHIFCDGEHAYPNATHPWDEDVMPPELPYQTWYLFQYGYIPVIELAEMEDSNAVEKAIICLQIPPFMLENSDHEVLRTEGTEFTFNFDCEWINNERAYIPPGLMFNPLVPTRRAYQYIRNNNPQTAESTSRIAPYAKPTSWMTGPGLLSAQRVGPATSDTGAWMVAVKPENASIDTGMMSGIGSGFDPPQGS LAPTNLEYKIQWYQTPQGTNNNGNIIISNQPLSMLRDQALFRGNQTTYNLCSDVMMFPNQIWD RYPITRENPIWCKKPRSDKHITIDPFDGSLAMDHPPGTIFIKMAIPVPSNNDASLYLNIYCTGQV SCEI VWEVERYATKNWRPERRHTTFGLGIGGADNLNPTYHV DKNGTYIQPTTWD MCFPVKTNINKVL

TRTRRLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NC_012729

ORF Size: 1623 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_002916063](#)

RefSeq ORF: 1623 bp

Locus ID: 7922603

MW: 61.0 kDa