

Product datasheet for **VC100784**

VP2 (NC_004295) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP2 (NC_004295) 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 VC100784 represents NCBI reference of NP_694867 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGACCTCAGTGAACAGCGCCGAAGCCAGTACCGGAGCTGGAGGAGGAGGATCAAACCCGACTAAGTCTA
TGTGGAGTGAAGGTGCAACCTTCACCGCCAATTCGTCACCTGTACCTTTAGCAGGCAGTTCCTGATTCC
CTACGACCCAGAACATCATTATAAGGTGTTCTCACCGCGGCCAGTAGCTGTATAATGCTTCCGGTAAG
GAAGCAAAGGTGTGACTATCAGCCCAATTATGGGCTATAGTACGCCATGGCGCTACCTCGACTTCAACG
CCTTGAATCTGTTCTTTAGTCCACTGGAGTTTCAGCACCTGATCGAGAATTACGGCAGCATCGCTCTGA
CGCACTGACAGTAACGATTAGTGAGATCGCCGTCAAGGACGTTACGGATAAGACGGGCGGAGGTGCCAG
GTCACCGACAGTACAACGGGAGACTGTGTATGCTTGTAGATCACGAATAAATATCCCTATGTGCTGG
GGCAAGGTCAGGATACATTGGCCCTGAGTTGCCTATTTGGGTATATTTCCACCCAGTATGCTTACCT
GACGGTGGCGAGGTCAATACGCAGGGAATCAGCGGAGATTCTAAGAACTTGCCTCAGAAGAATCAGCC
TTTTACGTTCTCGAGCACAGCTCCTTCGAGCTCCTGGGTACCGGTGGCAGTGGCACAATGTCTTACAAAT
TCCTGTGTGCCCTGAGAACTTGGAGGGCTGTTCCAGCATTTTTACGAGATGTACAACCTCTGTA
CGGCAGTCGATTGGGCGTTCAGATACACTGGGTGGCGATCCTAAATTTCCGAGCCTTACCCATGAAGAC
CATGCCATTCAACCGCAGAACTTATGCCGGGGCCTCTCATTAAATCCGTTTCAACAAAAGAGGGGGACA
ATTCACACTGGGGCCGGAAGGCGCTGACAGGCTGAGCACAGGACTTCTCAAATACCAGGATCAG
CCTGCGCCAGGGCCTGTGAGTCAGCCCTATCACCACTGGGATACCGATAAATATGTCACCGGCATCAAC
GCCATTTACACGGAACAACAACATACGCAATGCCGAGGACAAGGAGTACCAACAGGGAGTGGGACGAT
TTCCAAATGAGAAGGAACAACCTGAAGCAGCTGCAGGGCCTGAATATGCACACATATTTCCAAACAAGGG
TACACAACAGTACACCGACCAGATTGAGCGCCTCTGATGGTGGGATCTGTGTGGAACAGACGGGCGTTG
CACTACGAGTCCCAGCTGTGGTCTAAGATCCCGAATCTCGATGATTCATTCAAACCCAGTTCGCCGCC
TCGGCGGATGGGGCCTGCATCAGCCCCACCCAGATATTCCTGAAGATCCTGCCGAGTCTGGGCGGAT
TGGAGGGATCAAAGTATGGGAATTACTACTCTGGTTCAGTACGCAGTGGGTATCATGACTGTAACAATG
ACGTTCAAACCTGGTCCGCGCAAGGCTACTGGTAGGTGGAACCCACAGCCCGGAGTATACCCACCGCAGC
CCGCTGGCCACCTGCCTATGTGCTGTACGATCCTACCGCAACAGACGCTAAGCAGCACCACCGCCATGG
TTACGAAAACCGGAGGAGCTGTGGACCGCTAAATCCCGCGTGCATCCGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>VC100784 representing NP_694867

Red=Cloning sites Green=Tags

MTSVNSAEASTGAGGGGNSPTKSMWSEGATFTANSVTCTFSRQFLIPYDPEHHYKVFSPAASSCHNASGK
EAKVCTISPIMGYSTPWRYLDFNALNLFFSPLEFQHLIENYGSIPDALTVTISEIAVKDVTDKTGGGVQ
VTDSTTGRLCMLVDHEYKYPYVLGQGQDTLAPELPIWVYFPPQYAYLTVGEVNTQGISGDSKKLASEESA
FYVLEHSSFELLGTGGSATMSYKFPVAPPENLEGCSQHFYEMYNPLYGSRLGVPDITLGGDPKFRSLTHED
HAIQPQNFMPGPLINSVSTKEGDNSTGAGKALTGLSTGTSTQNTRIQLRPGPVSQPYHHWDTDKYVTGIN
AISHGQTTYGNAEDKEYQQGVGRFPNEKEQLKQLQGLNMHTYFPNKGTQQYTDQIERPLMVGSVWNRAL
HYESQLWSKIPNLDDSFKTQFAALGGWGLHQPPPQIFLKIIPQSGPIGGIKSMGITTLVQYAVGIMTVTM
TFKLGRKATGRWNPQPGVYPPHAAGHLPYVL YDPTATDAKQHRHRYEKPEELWTKSRVHPL

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NC_004295

ORF Size: 1662 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_004295.1](#), [NP_694867](#)
RefSeq ORF: 1662 bp

Locus ID: 955442

MW: 60.9 kDa