

Product datasheet for **VC102119**

VP2 polypeptide (NC_001617) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP2 polypeptide (NC_001617) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP2 polypeptide
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102119 represents NCBI reference of NP_740392 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCACCCACAGTGGAGGCTTGTGGATACTCCGATAGACTGATTCAAATTACCCGGGGGATTCAACTA
TCACATCTCAGGATACTGCTAATGCAGTGGTCGCGTATGGTGTGGCCTAGCTACCTTACTCCTGACGA
TGCCACAGCTATCGACAAACCTACACAACCTGACACATCTAGTAATAGGTTCTACACCCTGGACTCCCG
TCCTGGACATCAGCTTCCTCTGGATGGTGGTGAAGCTCCCTGATGCTCTGAAGAATATGGGAATTTTCG
GAGAGAACATGTTCTACCACTTCCTGGGAGATCAGGATATACAATCCAGTGCAGTGTAACAGCTCAAA
ATTCCACCAGGGCTGCTTATAGTCGCAGCCATCCCAGAACACCAACTTGCTTCAGCGACGAGCGGGAAC
GTGTCAGTCGGGTATAATCACACGCACCCCGCGAACAGGGCCGGGAAGTAGTGCCATCACGCACCTCTT
CAGATAACAAGCGACCTAGCGATGATAGTTGGCTGAATTCGACGGTACACTGCTGGGTAATCTGCCAAT
CTATCCCCACCAATACATAAATCTGCGAACGAACACTCCGCCACTGATTTTGCCTATGTTAACGCC
GTGCCGATGGACAGCATGTTGAGACACAATAATTGGAGCCTGGTATCATCCCCATATGCCACTGCAGG
TTCAGCCTGGAGGACTCAGTCAATCCCGATCACTGTCTCTATCAGTCTATGTTTTCCGAATTTAGCGG
ACCACGATCCAAGGTCGTTTTTCAACTACACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC102119 representing NP_740392
Red=Cloning sites Green=Tags

MSPTVEACGYSDRLIQITRGDSTITSQDTANAVVAYGVWPSYLPDDATAIDKPTQPDTSNRFYTLDSR
 SWTSASSGWWWKLPDALKNMGIFGENMFYHFLGRSGYTIHVQCNSKFKHQGLLIVAAIPEHQLASATSGN
 VSVGYNHTHPGEQGREVVPSRTSSDNKRPSDDSWLNFDGTLGNLPIYPHYINLRTNNSATLILPYVNA
 VPMDMLRHNNWSLVIIPICPLQVQPGGTQSIPIVTSISPMFSEFSGPRSKVVFSTTQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001617

ORF Size: 804 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_001617.1](#), [NP_740392](#)
RefSeq ORF: 804 bp
MW: 29.5 kDa