

Product datasheet for **VC102121**

VP1 polypeptide (NC_001617) Virus Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | VP1 polypeptide (NC_001617) Virus Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | VP1 polypeptide |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >The Viral ORF clone VC102121 represents NCBI reference of NP_740394 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s) |

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCCGGTGGAGAATTATATCGACTCAGTGTGAACGAAGTCTCGTTGTCCAAACATCCAGCCAA
GTACGAGCGTCAGCTCCCACGCAGCCCCAGCACTCGATGCAGCAGAGACAGGGCACACGAGCTCAGTACA
GCCAGAGGATATGATCGAGACTAGGTATGTCATCACCGACCAGACCCCGCATGAAACAAGCATCGAAAGC
TTCCTGGGCCGGTCCGGCTGCATCGCCATGATCGAATTCATACATCAAGCGCAAAAACAGAGCATGATA
AAATTGAAAAGGTTTTAAGACCTGGAAAAGTGAGCCTGCAGGAGATGGCACAAATACGGCGCAAATACGA
ACTCTTCACATATACCAGGTTTCGATAGCGAGATTACCATTGTGACCGCCGCGCGCTCAGGAAAATGAC
AGCGGACATATCGTATTGCAGTTCATGTACGTTCCACCTGGCGCTCCCCTGCCGAAAAGCGAGACGACT
ATACCTGGCAGAGTGGGACTAACGCATCTGTCTTTGGCAAGAGGGCCAACCATAACCCCGGTTCCACAT
CCCATTTCATGAGCATCGCCTCAGCATATTATGTTCTACGATGGTTACGATGGAGACAGCGCAGCTTCC
AAGTATGGAAGTGTGGTACTAACGATATGGGGACAATCTGTGTTAGAATCGTGACCAGCAACCAGAAAC
ACGATAGTAATATTGTCTGCCGGATCTATCACAAGGCCAAACATATAAAAGCATGGTGTCTCGCCCGCC
GCGAGCCGTCGCATATCAACACACACATTCCACTAATTACATCCCCTCTAACGGTGAAGCCACAACCCAG
ATCAAGACCCGCCGGAGCTCTTACAGTGACAAACGTTGGGCCAAGCAGCATGTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC102121 representing NP_740394
Red=Cloning sites Green=Tags

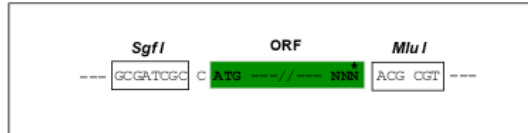
MNPVENYIDSVLNEVLVVPNIQPSTSVSSHAAPALDAAETGHTSSVQPEDMIETRYVITDQTRDETSIES
 FLGRSGCIAMIEFNTSSDKTEHDKIGKGFKTWKVSLQEMAQIRRKYELFTYTRFDSEITIVTAAAAQGND
 SGHIVLQFMYPVPPGAPVPEKRDDYTWQSGTNASVFWQEGQPYPRFTIPFMSIASAYMYFDGYDGDASAAS
 KYGSVVTNDMGTICVRIVTSNQKHDSNIVCRIYHKAKHIKAWCPRPPRAVAYQHTHSTNYIPSNGEATTQ
 IKTRPDVFTVTNVGPSSMF

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NC_001617

ORF Size: 897 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_740394
RefSeq ORF: 897 bp
MW: 33.4 kDa