

Product datasheet for **VC102120**

VP3 polypeptide (NC_001617) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VP3 polypeptide (NC_001617) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VP3 polypeptide
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102120 represents NCBI reference of NP_740393 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGGCTGCCAGTGATGCTCACCCCTGGCAGCGGTCAGTTCCTCACCACAGATGACACTCAGTCCCCCT
CAGCATTCCCGTATTTTCATCTACAAAAGAAATTTTATACCAGGGCAGGTGAGAAACCTCATCGAAAT
GTGCCAAGTTGACACTCTGATCCCCGTGAACAATACCCAGGAGAACGTCAGAAGTGTTAACATGTATACG
GTAGATCTTCGGACGCAAGTGGATCTGGCCAAGGAAGTCTCTATCCCGGTGGATATAGCATCTCAGC
CCCTCGCTACAACCCTCATAGGAGAGCTCGCATCCTATTATACACACTGGACTGGTTCACCTCGATTTTC
CTTCATGTTTTGTGGAAGCGCTCTAGTACCCTTAAGCTGCTGATCGCTTACACTCCTCCGGGCGTCGGC
AAGCCTAAGTCCAGGCGGGAAGCGATGCTCGGCACACACTTGGTATGGGACGTCGGCTTGCAGTCTACTG
CCTCCCTGGTGGTGCCTGGGTGAGCGCTTCTCATTTCCGATTACCACACCTGACACCTACTCCAGCGC
TGGATACATAACGTGCTGGTACCAGACAACTTTGTGGTGCCAGACTCACTCCCACAACGCCAAAATG
GTGTGTATGGTTAGCGCCTGTAAGATTCTGCCTGCGGTTGGCAGGACACAAACCTGCACCCAGG
AGGGGTACTCACTCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >VC102120 representing NP_740393
Red=Cloning sites Green=Tags

MGLPVMLTPGSGQFLTTDDTQSPSAPFYFHTKEIFIPGQVRNLIEMCQVDTLIPVNNTQENVRSVNMYY
 VDLRTQVDLAKEVFSIPVDIASQPLATTLIGELASYTHWTGSLRFSFMFCGSASSTLKLIIAYTPPGVG
 KPКСRREAMLGTHLVWDVGLQSTASLVVPWVSASHFRFTTPTDYSSAGYITCWYQTNFVVPDSTPDNAKM
 VCMVSACKDFCLRLARDTNLHTQEGVLTQ

TRRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001617

ORF Size: 717 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_740393

RefSeq ORF: 717 bp

MW: 26.4 kDa