

Product datasheet for **VC102170**

capsid protein VP1 (NC_010810) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	capsid protein VP1 (NC_010810) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	capsid protein VP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102170 represents NCBI reference of YP_001950225 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGTGGACAACGCTGAGAAGGGGAAGTCGCCAACGACAACGCCAGTGCAGACTTCGTGGCTGTGC
CTATTGCTTTGCCGAGAATCAGACGAAGGTGGCCTTCTTCTACGATCGCGCGTGTCTCGTTCCGCCCT
TGTTAACGCTCAAGATCTTAACCTAACTTCTCCCTTCAGGATGCTGCCAACGTGATGAATAATGCCTCTC
CTTACGCCACTGCCCTCAAATCGGCTGGACGACTCTACTTACGGCCTTGCCGAGCAGCATAGATGGCTGT
CATTTCCACCGATACAAAGCAAACACCCCATACAAAACAAAACAGGACTGGAATTTCTGATGTTCTC
TCCTTTCACATATTACAAGTGCACCTCGAGGTGACCTTGAGTCTGAACAGCTCAGACGCCATCGGTAGC
GTGGTGCCTATACCCATGCGGAGCCCACTAGACCTGAGTGAGCAGACCATACCTACACCCAGTC
TGTCCGATACGCGAGATCCCATATGTGGTCTGTGGTCCCGGGCTACTAATCAGATCAGCTTCGTGAT
TCCCTATAAAGTCCACTGTCTGTGCTCCAGCAGTATGGTTAACGGCTTTTCTGATTCGATAACAAA
ACAAGATTTGGCGTGGCTCCCAATGCAGATTTCCGACGGCTTTCGTTCAAGGCGCCGACCGATTTTCAG
TCCACTACCGGTACAAAAGATGAGAGTGTCTGCCAAGGCCACAGTGTCTTCCCATGGCCAGCTAA
CTCAGTTAGTAAGATTAAGTCTGTGAGGCCAACCCCTGTACTGGAAGTCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

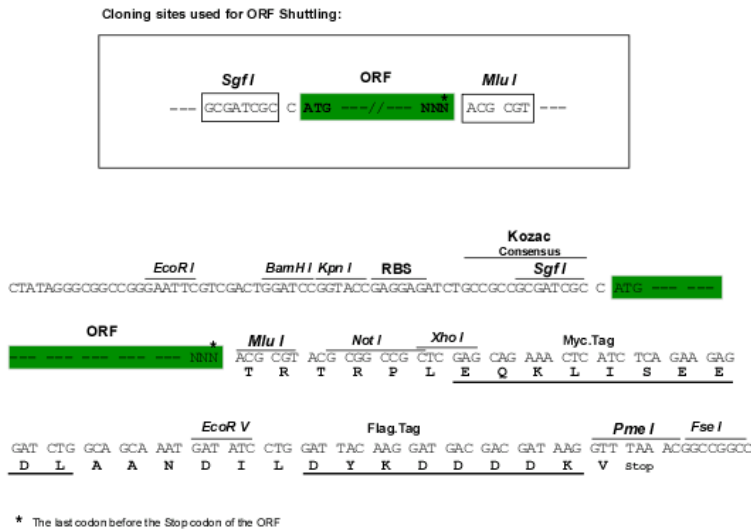
Protein Sequence: >VC102170 representing YP_001950225
 Red=Cloning sites Green=Tags

MGVDNAEKGVANDNASADFAVPIALPENQTKVAFFYDRAVLASALVNAQDLNSNFSLQDAANVMNNAL
 LTPLPSNRLDDSTYGLAEQHRWLSFPTDTKQTPPYKTKQDWNFLMFSPFTYYKCDLEVTLSLNSSDAIGS
 VVRYTPCGAPVDLSEQTIPTYPSLSDTRDPHMVWVGPATNQISFVIPYTSPLSVLPAVWFNGFSDFDNK
 TRFGVAPNADFGRLFVQGADRFVHYRYKKMRVFCPRPTVFFPWPANSVSKIISVRPTPVLELQ

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_010810

ORF Size: 822 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_010810.1, YP_001950225
RefSeq ORF: 822 bp
MW: 30.5 kDa