

## Product datasheet for **VC102034**

### major capsid L1 protein (NC\_004500) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	major capsid L1 protein (NC_004500) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	major capsid L1 protein
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 VC102034 represents NCBI reference of NP\_775311 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**

ATGTCATATTGGCTCCCCGCCAACGGAAGGTCTACTTGGCCCGTCCACGCCTGTGGCTCGAGTGAATCAACCGATGAGTTCGTTTCAGCGGACAAACATATTCTACCATGCTAATAGTGATCGCCTCCTGACGGTGGGTCATCCGTATTTTGAAGTGCGAAGCAGCGTCGACCCTCATGACGTGCTGGTGCCAAAGGTAAGCGGGAATCAATTCGAGCGTTCAGGCTGAAGCTGCCGACCCCAACAGATTCGCTCTGGCTGACATGTCGGTGATACCCCGACAAGGAGCGGTTGGTATGGGGGTGCAGAGGCCGGAGATCGGGAGAGGACAGCCTCTGGGGTTCGGAACAACCGGGCACCCACTCTTTAATAAGGTCCTGGATACAGAGAACCCTAATAAGTATAACACAGGACCAAGGACGACAGAGTGAATACATCCTTTGATCCCAAGCAGATCAATTGTTCTGCTCGGATGTACTCATGTTTGGGGAACTGGGATACCGCCTCCCTTGCGCAGAAAACAGCCGGATACCGGAGGATGCCCCCCTGGAGCTTAAAAATACCGTGATCTCCGATGGAGATATGGTGGATATCGGTTTTGGCAACATGAACTTCAAGGCCCTGAGCGTTACCAAGTCTGATGTCTCCTTGGATATAGTGGACTCCACTTGAAGTACCCCGACTTTTCTAAGATGTCAAACGATGTGTACGGTAATAGTTGCTTCTCTATGGTCGGAGAGAGCAGTGTTATGTGAGACATATGTTTCGTTCCGGGTGGCGTAGTGGGAGATACAATACCGGACGCTGTTGTGAACGAGGACACAATTTTCATGCTCCCTGCCGAAGCTCTGACCAGTCCCGGTCTCAAATGCAAGCAGTATTTATTTTCCTACCGTATCTGGGAGCCTGGTATCCACAGACGCACAACCTTTCAATCGGCCGATTGGTGCAGAGGGCTCAGGGGCACAACAACGGCATATGTTGGTCCAACGAGCTGTTCTTACAGTGTGCGACAATACCAGGAATACCAATTTTAACATCAGCGTGCCTAAAGAGGGGGTCAAATTAAGTATTGACAGCCAGAAAATCAGGGAATACACTCGGCATGTTGAGGAGTACGAGATCTCCCTGATACTGCAGCTTTGTAAGATTCCACTCGAGGCGAAATCTGGCCAGATTAATGCAATGAACCCAAACATTCTGGAAGATTGGCAGCTCGGTTTCGTCCTACGCCCCACAACCCAATCCAGGATGCTTACCGCTCATACTTAAGGCAACTCCATGCCCGGACAAAACCAACCCAAAGAGCGGAGGATCCGTGGGCTCCCTATACTTTCTGGGTCGTAGATCTCACAGAGAACTGTCCCTGGACCTGGATCAGTATTCAGTGGGGCGAAAATTTCTTTCCAGGCTGGTCTCACCACACTTCCGTGAATGGACTGAAGCGGACCAGATCCTCTCCAGCGCGGAACAAAACGAAACGAAAGTCAAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102034 representing NP\_775311  
 Red=Cloning sites Green=Tags

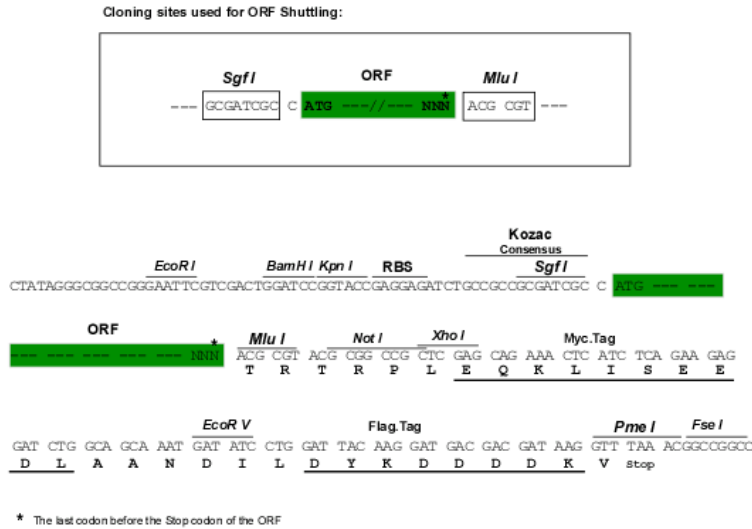
MSYWL PANGKVYLPPSTPVARVQSTDEFVQRTNIFYHANSRLLTVGHPYFEVRSSVDPHDVLPKVSNGQFRAFRLKLPDPNRFALADMSVYNPKERLVWGCRGLEIGRGQPLGVGTTGHPLFNKVLDTENPNKYNTGTKDDRVTNSFDPKQIQLFVLGCTPCLGEHWDTALPCAEPDTPGCPPELKNVTISDGMVDIGFGNMFKALSVTKSDVSLDIVDSTCKYPDFLKMSNDVYGNSCFFYGRREQCYVRHMFVRGGVVDGIPDAVVNEDHNFMLPAASSDQSRSQIASSIYFPTVSGSLVSTDAQLFNRPYWLQRAQGHNNGICWSNELFLTVCDNTRNTNFNISVPKEGGQITDYDSQKIREYTRHVEEYI SLILQLCKIPLEAEILAQINAMNPNILEDWQLGFVPTPDNPIQDAYRFIHSKATPCPDKAQPKEREDPWAPYTFWVVDL TEKLSLDLDQYSLGRKFLFQAGLTNTSVNGLKRTRSSSQRGTKRKRKSN

**TR**TRRLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NC\_004500

ORF Size: 1536 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\\_004500.1, NP\\_775311](#)

RefSeq ORF: 1536 bp

Locus ID: 956303

MW: 57.7 kDa