

## Product datasheet for **VC102040**

### major capsid L1 protein (NC\_005134) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	major capsid L1 protein (NC_005134) 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 VC102040 represents NCBI reference of NP\_932325 with codon optimized for human cell expression

Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC

ATGTCATCACTTTGGCTGAGCACTACCGGTAAGGTGTATCTTCCCCCGTCCACGCCAGTGGCTCGGGTCCAGTCCACCGATTCTATATCCAGCGGACCAACATCTACTACCATGCCAATACTGACCGGCTCCTGACCGTTGGTCACCCTTATTTTCGATGTCCGGAACAAACGCGGACCATGAGGTGCTGGTCCCGAAAGTGAGTGGAACCAATACCGAGCTTTAGGGTGCACCTGCCTGATCCGAATCGATTTGCTCTGGCCGACATGAGCGTCTGTAACCCGTGACAGGGAGAGGCTGGTGTGGGCGAGTCCGGGGATGGAAATGGCCGGGTGAGCCGTTGGCGTGGGAACATCCGGCCACCCCTCTTCAATAAGGTGAAGGATACCGAGAATCCCAACGGCTATAACACCGGTGGAAGACGATCGCGTTAACACTAGCTTTGATCCCAACAGATTGAGATGTTGCTACTGGGCTGATCCCTGCCTGGGAGAGCATTGGGATAAGGCCCTGCCATGTGTGGAGAATCCTCCTGATCAGGGGCTTGCCCTCCACTTGAGCTGAAGAACAACATCATTGAGGACGGTACATGGGCGATATTGGGTTCCGCAATCTGAATTTAAAACTCTCAGTGTACAAAATCCGATGTCAGCCTTGATATCGGAATGAGATCTGTAATAAC CAGACTTCCTCAAAATGGCCAACGATGTCTACGGAAATGCTTGTTTTTTCTACGCACGCAGAGAGCAGTGCTATGCTCGCCACATGTTTTGTAGGGGAGGTTGAGTGGGATAGCATCCCTGATGATGCCGTGGGTGAA GATAACCATTACTACCTGAAAGCCGCATCCGATCAAAATAGAGACACCATGGCGTCTTCTATTTACACGCCTACCGTCTCCGGCTCTTTGGTGAGTACCGATGCCAAATCTTTAATCGCCCGTTTTGGCTTCAGAGGGC TCAGGGCCATAACAATGGGATATGTTGGGAAATCAGATCTTTTTGACTGTCATCGATAATACACGGAAC ACTAACTTCTGCATCAGTGTGAGCAGTAACGACCAAGCACTTCAGGAGTACAATACCGCAAACCTCCGCG AATACTTGCGGCATGTTGAGGAGTATGAGTTGTCTTTTATATTGCAGCTTTGTAAGTGCCTCTCGAACCTGAAGTCTTGCTCAGATCAACGCGATGAATGCAGATATACTCGAAGACTGGCAACTGGGATTTGTGCCA TCTCCGACAACCCTATCAATGATACCTACAGGTATATCCACAGCGCCGCCACCCGCTGCCAGATAAGA CCACTCCAAGGAAAAGGCCGCCCTTCGCTGGTTATCACTTTTGGGATGTGGATCTTTCCGAAAAATTGAGTCTTGATCTTGACCAGTATTCTCTCGGGAGGAAATCCTGTTTCAAGCAAACCTGCAGATAAGCGC GTCAACCCGGGGTGACAGTGACAGGACGGCGACCACCTCACGGGAACTAAAAGAAAACGCCG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102040 representing NP\_932325

Red=Cloning sites Green=Tags

MSSLWLSTTGKVVLPSTPVARVQSTDSYIQRNTIYYHANTDRLLTVGHPYFDVRKNNGDHEVLVVKVSGNQYRAFRVHLPDPNRFALADMSVVNPDRERLVWAVRGMEIGRGQPLGVGTSGHPLFNKVKDTENPNGYNTGGKDDRVNTSFDPKQIQMFVLGCIPCLGEHWKALPCVENPPDQACPPLELKNITIEDGMDGIDIGFNLNFKTLSVTKSDVSLDIVNEICKYPDFLKMANDVYGNACFFYARREQCYARHMFRCGGSVGDSIPDDAVGEDNHYYLKAASDQNRDTMASSIYPTVSGSLVSTDAQIFNRPFWLQRAQGHNNGICWGNQIFLTVIDNTRNTNFCISVSSNDQALQEYNTANFREYLRHVEEYELSFILQLCKVPLEPEVLAQINAMNADILEDWQLGFVPSDNPINDTYRYIHSAAATRCPPDKTTPKEKADPFAGYHFWDVLDSEKLSLDLDQYSLGRKFLFQANLQNKRVNRGVTVTGRATTSRGTKRKR

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NC\_005134

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\\_005134.2, NP\\_932325](#)

RefSeq ORF: 1536 bp

Locus ID: 2943333

MW: 57.8 kDa