

## Product datasheet for **VC102013**

### major capsid L1 protein (NC\_010329) Virus Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | major capsid L1 protein (NC_010329) 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 VC102013 represents NCBI reference of YP\_001672014 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCACTGTGGCAGCAGACCGGAAAGCTTTTTCTCCACCCGCCAAACCTGTCGCGAAGATTCTCT  
 CAACCGATGACTACGTATCGGGACCCAACCTGCATTTCCACGCCGTACAGACCGCCTGTTACTGTCGA  
 CCATCCATACTACGAAATAAGGAATGATGGTGATCCCAACAAAATTGAAATTCAAAAAGTAAAGCGTTGT  
 CAATACCGCGTTTTCCGACTCAAACCTCCCGACCCAAATAAATTCGCTCTGATCGATCAGTCTATCTTTA  
 ACCCCGAGAGAGAGACTCGTCTGAAACTGAAGGGATTAGATCGGGAGGGGAGGACCGCTCAACGT  
 CGGGACCGCCGGTCATCCACTGTTCAACAAGGCCCCAGATACCGAGAATCCTAATGACTATCCCCCGCT  
 CAAACGGACGAGGACCGGAGAAACGTGTCCATGGACCCCAACATACTCAGCTCTTCATCATCGGATGTA  
 TCCCCCGCGATGGGAATATTGGGACGTAGCTAAGCCCTGTGTGGGCGACCAGGCGAATGCAGGCGACTG  
 TCACCCATTCAACTGGTGAACGCGTTATCCAGGACGGACCATGGGAGATACGGGATTCGGAGCCGCT  
 AATTTCAAAAATTTCTTGAAGCAAGGCCGGTGTCCCTCTGGACATCATCAACGACATATGTATGTACC  
 CCGATTTCTCAAAATGGATAAAGATGTTTACGGAGACAAATGCTTTTTTTTTGGTAAGAGAGAGCAGTC  
 ATACGCTAGACATTTTATGGCAAGAGAAGGAAGATGGGGGACGCCATACCGGAAGGCAACAAGTATCTC  
 CTCCCTCTACCAATGCCGTGAATTTCAAGATGGGGAGTCATGTACTTCCCGACCGCATCTGGTAGCC  
 TCACTACATCAGATTTCAACCTTTTTAACCACCATATTGGCTGCAAAGAAGTCTGGGAGCCAACAATGG  
 AATATGTTGGGGCAACCAGCTTTTTGTAACCGTCTGGACAATAGTCGGAATACAATTTTACTTTGTCC  
 ATCTACAACCAGGGCGGAGCTATCGGGAACCAATACACGTATAAATCACAGGACTTCACCTCAGTACACCA  
 GACACGCCGAGGAATATGAGCTGGAAGCTATCTTTCAACTTTGCAGGGTCCCCCTCGAACCCGATATACT  
 CGCTCATCTCAACGTGATGAATCCTAACATCTTGGACGAATGGCAGCTTGCCTTTGTGCCTCCCCACCC  
 CAGAGTATCGAGGACAACTATAGGTATATCACGAGTCTTGCTACTCGCTGCCCAACAGAGAACCCTGCAC  
 CTGAGATTCCAGACCCCTACAAGGATTACAACCTTTGGCTGGTCGATCTGCAGGAGAAGTTCAGTAGCGA  
 GCTCGATCAGTTCTCTTGGACGGAAGTTTCTTTTTCAGAGTGGCCTTCTCCCGACCAAGAGGGTGA  
 ACAGTAGCCAACAGCTCCGTTAGGAATACCTCAAGAACCCTCAAAGGAAACGAACAAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102013 representing YP\_001672014  
 Red=Cloning sites Green=Tags

MALWQQQTGKFLPAPKPVAKILSTDDYVIGTQLHFHAGTDRLLTVDHPYYEIRNDGDPNKIEIPKVSAC  
 QYRVFRLKLPDPNKFALIDQSFNPERERLVWKLKGIQIGRGGPLNVGTAGHPLFNKAPDTENPNDYPPA  
 QTDEDRRNVSMDPKHTQLFIIGCIPADGEYWDVAKPCVGDQANAGDCPPIQLVNAVIQDGTMGDTGFGAA  
 NFKNFLQDKAGVPLDIINDICMYPDFLKMDDKDVYDKCFFFGKREQSYARHFMAREGKMGDAIPEGNKYL  
 LPPTNAVNFKMGSHVYFPTASGSLTTSNSLFRNPYWLQRSLGANNGICWGNQLFVTVLDNSRNTNFTLS  
 IYNQGGAIIGNQYTYKSQDFTYQYTRHAEYELEAIFQLCRVPLEPDILAHNLVNMNPILDEWQLAFVPPPP  
 QSIEDNYRYITSLATRCPTENPAPEIPDPYKDYNFLVLDLQEKFSSELDQFSLGRKFLFQSGLLPTKRVR  
 TVANSSVRNTSRTVKKRTR

**TRTRRLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NC\_010329

ORF Size: 1530 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\\_010329.1, YP\\_001672014](#)

RefSeq ORF: 1530 bp

Locus ID: 5896660

MW: 57.8 kDa