

## Product datasheet for **VC100665**

### HECV-4408 N Gene Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HECV-4408 N Gene Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	nucleocapsid 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 VC100665 represents NCBI reference of YP\_003038528 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTTTTACTCCCGAAAACAGAGCTCTCTCGGGCAAGTAGCGGGAATCGGTCAGGGAATGGAATCC  
 TGAAGTGGGCGACCACTGATCAGTCCAGGAACGTGCAGACCCGCGGTAGAAGAGCCAGCCAAACA  
 GACAGCGACGTCACAGCAGCCCTCAGGCGGGAACGTTGTGCCATATTACAGCTGGTTAGCGGTATAACT  
 CAGTTCAGAAAAGGTAAGGAGTTTGAATTCGCCGAAGGCCAAGCGTTCTATAGCTCCCGGAGTGCCAG  
 CCACTGAGGCAAAGGTTACTGGTACAGGCACAATAGAAGGTCTTTCAAACCCGCGACGGCAATCAGCG  
 ACAGCTGCTCCCTCGGTGGTATTCTATTACCTGGGAACCGGTCTCACGCCAAGGACCAGTATGGCAGC  
 GACATCGATGGCGTGTCTGGTGGCCAGTAATCAGGCCGATGTCAACACTCCGGCCGACATTTTGATA  
 GAGACCAAGTAGCGATGAGGCTATCCCAACGCGCTTTCCACCCGGGACAGTTCTCCCGCAGGGATTA  
 CATTGAAGGCAGCGGGCGTCCGCCCTAATTCTCGATCCACCTCTCGAGCATCCTCACGGGCGAGCTCC  
 GCTGGGAGCCGCTCCCGGGCAACTCCNNAATCGCACACCAACTTCCGGCGTGACCCCGGACATGGCTG  
 ATCAAATTGCCTCACTGGTGTGGCCAACTCGGAAAAGACGCTACCAAGCCACAACAGGTGACTAAACA  
 AACTGCAAAGGAGATAAGGCAGAAGATTCTCAATAAACCCCGCCAGAAACGGTCCCTAACAAAGCAATGC  
 ACGGTTACGAATGCTTCGGGAAACGCGGTCCAAACAAAACCTTCGGCGGAGGTGAAATGCTTAAATTGG  
 GCACGTGACCCACAGTCCCCATCCTGGCCGAGCTGGCGCCACTGCCGGAGCCTTCTCTTTGGCTC  
 CAGACTGGAAGTGGCCAAGGTGCAGAACCTTTGAGAAATTTGGATGAACCGCAAAAAGATGTTTATGAA  
 CTTCGATATNNGGTGCCATTGATTTGACAGTACTCTCTGGCTTTGAAACCATCATGAAAGTTCTGA  
 ATGAAAAATCTTAACGCTATCAACAGCAGGATGGAATGATGAACATGTCAACGAAACCACAGCGGCAGAG  
 AGGCCAGAAGAACGCCAGGAGTGAACACAATATTAGCGTAGCCGCTCCTAAGTCCAGGGTCCAACAG  
 AACAGTCAAGAGAATTGACCGGAGGACATTTATTGCTGAAGAAGATGGACGAGCCATATACAGAGG  
 ACACCTCCGAAATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC100665 representing YP\_003038528  
 Red=Cloning sites Green=Tags

MSFTPGKQSSSRASSGNRSGNGLKWADQSDQSRNVQTRGRRAQPKQTATSQQPSGGNVVPPYYSWFSGIT  
 QFQKGEFEFAEGQGVPIAPGVPATEAKGYWYRHNRRSFKTADGNQRQLLPRWYFYLLGTGPHAKDQYGT  
 DIDGVFVWASNQADVNTPADILDRDPSSDEAIPTRFPPGTVLPQGYIEGSRAPNSRSTSRASSRASS  
 AGSRSRANSXNRTPSGVTPDMADQIASLVLAKLGKDATKQQVTKQTAKEIRQKILNKPRQKRSPNKQC  
 TVQQCFGKRGNQNFGGEMLKLGTSDPQFPI LAELAPTAGAFFFGSRLELAKVQNL SGNLDEPQKDVYE  
 LRYXGAIRFDSTLSGFETIMKVLNENLNAYQQDGMNMSPKPRQRGQKNGQGENDNISVAAPKSRVQQ  
 NKSRELTAEDISLLKKMDEPYTETSEI

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja2357\\_f06.zip](https://cdn.origene.com/chromatograms/ja2357_f06.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NC\_012950

ORF Size: 1344 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_012950.1, YP\\_003038528](#)

RefSeq ORF: 1344 bp

MW: 49.4 kDa