

## Product datasheet for **VC102522**

### nonstructural protein 3 (NC\_009942) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	nonstructural protein 3 (NC_009942) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	nonstructural protein 3
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 VC102522 represents NCBI reference of YP\_001527884 with codon optimized for human cell expression  
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGAGGGTCTCTGGGACACGCCAGCCCTAAAGAATACAAGAAGGGCGATACAACCACAGGCGTGT  
 ACAGGATCATGACTCGCGGCTTCTGGGGTCTACCAAGCTGGCGCCGGCGTTATGGTGGAGGGCGTGT  
 TCACACCCCTGGCACACCACAAAGGGTCCCGCACTTATGTCCGGTGAAGGCCGACTGGACCCATATTGG  
 GGGTCCGTGAAGGAGGATAGACTGTGCTACGGAGGGCCTTGAAACTGCAGCACAAAGTGAACCGCCAGG  
 ACGAAGTTCAGATGATAGTCTGGAACCTGAAAGAACGTGAAGAATGTACAGACCAAACCCGGCGTGT  
 TAAACACCTGAAGGCGAGATTGGGGCTGCACACTGGACTTTCCACAGGTAATCCGGAAGCCCCATC  
 GTGGATAAGAATGGGGATGTGATCGGCCTGTATGGCAACGGCGTAATTATGCCCAATGGGAGTTACATCT  
 CCGCTATAGTGCAGGGTGAAGGATGGATGAGCCAATCCCTGCCGGCTTTGAACCCGAAATGTTGCGGAA  
 AAAGCAAATCACAGTGTGGACTTGCACCCAGGAGCCGAAAGACCAGGGCGCATACTGCCACAGATAATC  
 AAGGAAGCTATCAACCGCAGACTCCGGACAGCCGTGTTGGCTCCCACCCGCGTTGTGGCGCCGAGATGG  
 CTGAAGCTTTGCGGGGGCTGCCATTTCGCTATCAAACATCAGCGGTGCCCGCGAGCACAAACGGTAATGA  
 AATTGTGGATGTGATGTGTACGCAACCCTGACTCATCGACTCATGAGCCACACCCGGTGCCCAATTAT  
 AACTTGTTCGTGATGGACGAAGCTATTTACTGACCCTGCTTCCATTGCTGCCCGGGGTATATCTCAA  
 CAAAGGTAGAACTCGGTGAGGCTGCAGCTATTTATGACCGCCACTCCCCCGTACTAGCGACCCCTT  
 TCCTGAGAGTAACTCACAATATCCGACCTCAAACCGAGATCCCGACAGAGCTTGAAGTCTGGTTAC  
 GAATGGATTACCGAGTACACGGGCAAGACTGTCTGGTTTGTTCCTTCGTAAGGATGGGAATGAGATCG  
 CTCTCTGCTTGCAAAGAGCCGAAAGAAAGTTGTCCAGCTCAATAGAAAAAGCTATGAGACCGAGTACCC  
 CAAATGCAAGAATGACGACTGGGACTTTGTTCATCACTACAGACATTTAGAAAATGGGTGCTAACTTTAAA  
 GCGAGTCGCGTCAAGATTAAGAAAATCTGTCAAGCAAACAATCATTACAGAAGGCGAGGGTAGGGTCA  
 TCCTGGGTGAGCCTTCAGCAGTGACCGTGCATCCGCCGCACAGCGCGCGCCGATTGGAAGGAATCC  
 TTCTCAGGTAGGAGATGAGTACTGCTACGGTGGACACACAATGAGGATGACAGCAATTTTGTCTATTGG  
 ACCGAGGCCCGGATCATGCTGGACAATATCAACATGCCTAACGGCCTGATCGCTCAGTTCATCAGCCGG  
 AAAGGAAAAGGTATATACTATGGATGGCGAATATAGGCTCAGAGGAGAGGAGCGGAAAAACTTTCTGGA  
 ACTCTTGGGACCGCCGACTGCCTGTTTGGCTTGTACAAGGTGGCCGCGCCGGAGTTTCTTATCAT  
 GACAGGAGATGGTCTTCGACGGCCACGGACCAACTATCCTGGAGGACAACAACGAAGTAGAAGTAA  
 TAACTAAACTCGGGAAACGGAAAATCTTGCAGCCACGCTGGATCGACCGGAGAGTATACTCCGACCATCA  
 GCGCTCAAAGCCTTCAAGGATTTTCCAGTGGAAAGCGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>VC102522 representing YP\_001527884  
 Red=Cloning sites Green=Tags

MGGVLWDTSPKEYKKGDTTGVYRIMTRGLLGSYQAGAGVMVEGVFHTLWHTTKGAALMSGEGRLDPYW  
 GSVKEDRLCYGGPWKLQHKWNGQDEVQMIVVEPGKNVKNVQTKPGVFKTPEGEIGAVTLDFPTGTSGPSI  
 VDKNGDIVGLYNGVIMPNGSYISAIIVQGERMDEPIPAGEPEMLRKKQITVLDLHPGAGKTRRILPQII  
 KEAINRRLRTAVLAPTRVVAEMAELRGLPIRYQTSAPVREHNGNEIVDVMCHATLTHRLMSPHRVPNY  
 NLFVMDAHTDPASIAARGYISTKVELGAAAIFMTATPPGTSDFPFESNSPISDLQTEIPDRAWNSGY  
 EWITEYTGKTVVFPVSVKMGNEIALCLQRAGKVVQLNRKSYETEYPKCKNDWDFVITTDISEMGANFK  
 ASRVIDSRKSVKPTIITEGEGRVLGEPNAVTAASAAQRRGRIGRNPSSQVGEYCYGGHTNEDDSNFAHW  
 TEARIMLDNINMPNGLIAQFYQPEREKVYTMDEYRLRGEERKNFLELLRTADLPVWLAYKVAAGVSYH  
 DRRWCFDGPRTNTILEDNNEVEVITKLGKILRPRWIDARVYSDHQALKAFKDFASGKR

**TR**TRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_009942

**ORF Size:** 1860 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\\_009942.1, YP\\_001527884](#)

RefSeq ORF: 1860 bp

MW: 69.1 kDa