

## Product datasheet for **VC100780**

### **NS1 (NC\_004295) Virus Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NS1 (NC_004295) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NS1
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 VC100780 represents NCBI reference of NP\_694863 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAGTTGTTTAGGGGTGTTCTGCATATCTTCCAATATTCTCGACTGTGCAAATGATAACTGGTGGT  
GCTCCATGTTGGATCTGGATACAAGTGATTGGGAACCACTGACTCACAGTAACCGACTGATGGCCATTTA  
TCTGTCATCTGTGGCGAGCAAGCTGGACTTCACAGGAGGCCCCCTTGACGGCTGTCTGTATTTTTTCAA  
GTGGAATGTAATAAATTCGAGGAGGGATACCACATCCATGTAGTGATTGGTGGACCCGGCCTGAACGCCA  
GGAAGTTGACCGTCTGTGTGGAAGGCCTTTTTAACACGTGCTCTATCATCTGGTACTGAGTCCGTCAA  
GCTGAAGTTCTGCCGGGAATGACCACAAAAGGCAAGTACTTCAGGGACGGCGAGCAATTCATTGAAAAA  
TATCTCATGAAAAAATACCCCTGAATGTGGTCTGGTGTGTACAAAATATAGATGGGTACATAGACACCT  
GTATTAGCGCCTCCTTTAGACGCGGGGCTTGCCATGCAAAAAGGCCACGGATCACTGCTAATACAGACTC  
AGCAACCAATGAGACAGGTGAGTCATCTTGTGGCGGGCGGTGACGTCGTTCCGTTTGCCGGAAAGGGCACC  
AAGGCTGGCCTGAAATTCAGACAATGGTTAACTGGCTGTGCGAGAACC CGCTTTCACGGAGGATAAAT  
GGAAATGGTTCGATTTCAATCAGTATACTCTGTTGTCAAGCAGCCATTCCGGCAGCTTCCAGATCCAGTC  
TGCTCTGAAGCTGGCGATATAAAGGCTACAAACCTGGTTCCTACTTCAACCTTCTTCTGCATAGTGAT  
TTCGAGCAAGTTACCTGTATAAAGGAGAATAAGATCGTGAAGCTGCTGCTGTGTCAGAATACGATCCTC  
TGCTCGTGGGACAACACGCTTTGAGGTGGATCGACAAAAAGTCCGGGAAGAAAAACACTGTGGTTCTA  
TGGCCCCCCTCCACCGGAAGACCAATCTTGCCATGGCCATTGCTAAAACAGTGCCGGTTTACGGCATG  
GTTAATTGGAACAATGAGAATTTCCCTTCAATGACGTGGCGGAAAGAGCTTGGTCTGTGGGACGAGG  
GAATCATCAAGTCAACGATCGTCGAGGCAGCCAAGGCAATTTTGGGTGGCCAGCCAACCCGGGTAGACCA  
GAAAAATGAGAGGTTCCGTAGCCGTGCCCGCGTCCCGTGGTGTGATCACTTCTAACGGTGACATTACCTT  
GTAGTGTCTGGCAACACCACCACACAGTACACGCTAAGGCCCTGAAGGAGCGCATGGTGAAGCTGAACT  
TCACTATTAGGTGCAGCCCTGACATGGGCTTGCTTACGGAAGCTGATGTGCAGCAATGGCTTACGTGGTG  
CAACGCTCAATCATGGTCTCATTACGAGAACTGGGCGATCAATTACACGTTGACTTCCAGGAATTAAC  
GCAGACGCTTGCATCCTGATTTGCAGACCACCCATCGTCCCGGACACCAGCATATCTAGTTCTGGCG  
GCGAGAGCTCCGAAGAAGTGTCCGAATCCTCCTTCAATCTTATCACGCTGGGGCATGGAACCCGA  
AACACCCCGGTCCTCACCCAGTGCCCGAACTAGTAGCGGAGAGACTTTGTAGGCTCCCGAGTGAGT  
TCAGAAGTAGTGCCGCAAGCTGGGAGGAGGCTTTTTACACACCTCTGGCCGATCAGTTTCGCGAGCTGC  
TTGTGGGTGTGCGATTTCTGTCTGGGATGGTGTGAGGGGTTGCCCGTCTGTTGTGTGGAACATATTAACA  
TAGTGGGGGAGGGCTGGGCTTGTGTCCTCACTGTATCAACGTGGGCGCATGGTATAATGGCTGGAATTT  
CGGGAATCACTCCGACTTGGTCCGGTGTCTGCCATGTTGGCGCTAGTAATCCATTTTCCGTGCTTA  
CTTGAAGAAATGTGCCTATCTTAGTGGCTCCAATCCTTTGTTGACTACGAA

**ACGCGT**ACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC100780 representing NP\_694863  
Red=Cloning sites Green=Tags

MELFRGVLHISSNILDCANDNWWCSMLDLDTSDWEPLTHSNRLMAIYLVSSVASKLDFTGGPLAGCLYFFQ  
 VECNKFEEGYHIHVVIGGPGLNARNLTVCEVGLFNNVL YHLVTVESVKLKF LPMGTTKGYFRDGEQFIEN  
 YLMKKIPLN VVWCVTNIDGYIDTCISASFRRGACHAKRPRITANTDSATNETGESSCGGGDVVPFAGKGT  
 KAGLKFQTMVNWLCENRVFTEDKWKL VDFNQYTL LSSSHSGSFQIQSALKLAIYKATNLVPTSTFLLHSD  
 FEQVTCIKENKIVKLLLCQNYDPLL VGQHVLRWIDKCKGKNTLW FYGPPSTGKTNLAMAI AKTVPVYGM  
 VNWNENFPFNDVAGKSLV VVWDEGIKSTIVEAAKAILGGQPTRVDQKMRGSVAVPGVPVITSNGDITF  
 VVSGNTTTTVHAKALKERMVKNLFTIRCSMDGLL TEADVQQWL TWCNAQSWSHYENWA INYTFDFPGIN  
 ADALHPDLQTPPIVPDTSISSSGGESSEELSESSFFNL ITPGAWNSETPRSSTPVPGTSSGESFVGPSPV  
 SEVVAASWEEAFYTPLADQFRELLVGVDFVWDGVRGLPVCCVEHINNSGGGLGLCPHCINVGAWYNGWKF  
 REFTPDLVRCSCHVGASNPFSVL TCKKCA YLSGLQSFVDYE

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NC\_004295

**ORF Size:** 2013 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\\_004295.1](#), [NP\\_694863](#)

**RefSeq ORF:** 2013 bp

**Locus ID:** 955445

**MW:** 74.0 kDa