

## Product datasheet for **VC100557**

### NS1 (NC\_007455) Virus Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NS1 (NC_007455) 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 VC100557 represents NCBI reference of YP\_338086 with codon optimized for human cell expression

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

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCATTCAATCCGCTGTGATAAGAGCCTTCAGCCAGCCTGCCTTTACTTATGTGTTTAAAGTTCCCTT  
ATCCACAGTGGAAAGAGAAAGAGTGGCTGCTTCACGCCCTCCTGGCCACGGAACCGAGCAGTCCATGAT  
TCAGCTGCGAAACTGCGCCCTCATCCAGACGAAGACATTATTCGAGATGACCTTTTATGTCCTCACTGGAA  
GACCGCATTTTTGGTGCAGTACTGTGTAAGCCGTTTATATGGCCACAACACTACCTTATGTCCACAAGC  
AGCGAAACATGTTCCCCAGATGTGATATCATTGTGCACTCCGAACTCGGCGAGAAAAATCTGCACGTGCA  
CATTATAGTGGGAGGCGAGGGCCTGAGCAAGCGCAACGAAAGTCAAGTTGTGCACAATTCTATGGACTG  
ATTTTGGCTGAGATAATTCAGCGCTGTAATCCCTTTTGGCAACCCGCCCTTGAACCCGAGGAAGCTG  
ACATTTTTCATACTCTGAAAAAGGCTGAAAGAGAGGCATGGGGCGGAGTGACAGGCGGAAACATGCAGAT  
CTTGCACTATAGGGACAGACGAGGCGACCTCCAGCTCAAACAGTAGATCCCTCGCGTTCTTCAAGAAT  
TATCTGCTTCCAAAAATAGGTGTATCTCCTCATACTCCAAGCCCGATGTGTGCACGTCACTGACAAC  
GGTTTATTCTGGCCGAAAAGACTTACAGCCATACTTTGATAAACGGACTGCCTCTGCCGGAGCACTATCG  
GAAGAATTATCACGCCACTCTGGACAACGAGGTAATACCGGGACCTCAGACGATGGCCTACGGAGGCAGG  
GGACCTGGGAGCACCTGCCCGAAGTGGGCGATCAGCGGCTCGCAGCAAGCAGCGTGTCCACAACCTATA  
AACCAATAAGAAAGAAAAGCTTATGCTGAACCTTCTGGACAAGTGAAGGAACTGAACTTGTGGTTTAA  
TGAAGACCTCGTGGCAAATGCCCTGAGCTTCTCCTGATGCTGGAAGGCCAGCCTGGCGGGGCTAGACTT  
ATTGAACAGGTGTGGGATGCACCACATTAATGTGTGCTTAACTTACCGCGTTACCTACCTCTTCC  
ACCTGCACCCTGTGACTTCCCTGGACTCCGACAATAAGGCACTGCAGCTGCTGCTGATCCAGGGGTACAA  
TCCTTTGCACTAGGCCACGCTCTGTGTTGCGTACTCAACAAACAGTTTGGGAAGCAAAACTGTGTGC  
TTTTATGGTCCGGCATCCACTGGGAAGACCAACATGGCAAAAGCTATTGTCCAGGGGATCCGGCTCTATG  
GTTGTGTGAACCATCTGAACAAAGGTTTGTGTTAATGACTGTGCGCCAGAGGCTGGTCTGTGGTGGGA  
AGAGTGTCTGATGCATCAAGACTGGGTGGAACAGCCAAGTGCATCCTTGGCGGAACCGAATGCAGGATT  
GACGTGAAGCACAGGGACAGCGTCTGCTGACACAAACCCGGTAACTCAGCACGAATCACGACATTT  
ATGCCGTGGTCGGAGGCAACTCCGTGTACACGTACATGCGGCGCCCTTAAAGAACGGGTATTCAACT  
TAACCTTTAAGACAGCTCCCGCAGACATTCGGGGAGATCACTGCCACTGAGATTGCCGCGCTTCTTCAG  
TGGTGTCTTAACGAGTACGATTGTACTCTCACAGGCTTCAAGCAAAAGTGAATCTTGACAAGATTCCAA  
ATTCATTTCCACTGGGAGTGTCTGTCCGACCCATTCCAGGATTTTACCTTGCATGAGAACGGCTATTG  
TACTGACTGCGGGGGCTACCTCCCCACAGCGTGATAATAGCATGTACACAGATCGCGCGTCCGAAACA  
AGCACAGGAGACATCACTCCCTCAAAG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC100557 representing YP\_338086  
Red=Cloning sites Green=Tags

MAFNPPVIRAFSQPAFTYVFKFPYPQWKEKEWLLHALLAHGTEQSMIQLRNCAPHPDEDIIRDDLLISLE  
 DRHFGAVLCKAVYMATTTLMCHKQRNMFPRCDIIVQSELGEKNLHCHIIVGGEGLSKRNAKSSCAQFYGL  
 ILAEIIQRCKSLLATRPFEPPEEADIFHTLKAEREAWGGVTGGNMQILQYRDRRGDLHAQTVDPLRFFKN  
 YLLPKNRCISSYSKPDVCTSPDNWFILAEKTYSHTLINGLPLPEHYRKNYHATLDNEVIPGPQTMAYGGR  
 GPWEHLPEVGDQRLAASSVSTTYKPNKKEKMLNLLDKCKELNLLVYEDLVANCPPELLLMLEGQPGGARL  
 IEQVLGMHHINVCSNFTALTYL FHLHPVTSLSDSNKALQLLLIQGYNPLAVGHALCCVLNKQFGKQNTVC  
 FYGPASTGKTNMAKAIVQGIRLYGCVNHLNKGVFVNDQRQLVWWEELMHQDWVEPAKICILGGTECRI  
 DVKHRDSVLLTQTPV IISTNHDIYAVVGGNSVSHVHAAPLKERV IQLNFMKQLPQTGFEITATEIAALLQ  
 WCFNEYDCTLTGFKQKWNLDKIPNSFPLGVLCPHSHQDFTLHENG YCTDCGGYLP HSADNSMYTDRASET  
 STGDITPSK

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NC\_007455

**ORF Size:** 1917 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\\_007455.1](#), [YP\\_338086](#)

**RefSeq ORF:** 1917 bp

**Locus ID:** 3711585

**MW:** 72.1 kDa