

Product datasheet for **VC102239**

putative NS5A protein (NC_001655) Virus Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	putative NS5A protein (NC_001655) Virus Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	putative NS5A protein
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>The Viral ORF clone VC102239 represents NCBI reference of NP_757360 with codon optimized for human cell expression Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGCCTCATAGCCTGGGGCTCGAGATTTGGCAGTATGTGTGCAACTTCTTCGTCATCTGCTTTAACG
TGCTCAAAGCAGGCGTCCAATCAATGGTGAACATCCCCGATGTCCCTTTACTCCTGTGAGAAAGGTTA
CAAAGGACCCTGGATTGGTTCGGTATGCTGCAGGCTCGGTGCCGTGTGGCGCTGAGTTGATTTTTCC
GTGGAGAACGGGTTCCCAAGCTTTATAAGGGACCAAGGACCTGTCAAACCTATTGGAGAGGGGCAGTGC
CCGTGAACGCTCGGCTTTGTGGTAGTGACGACCGGATCCTACCGATTGGACTAGTTTGGTGGTCAACTA
TGGTGTTTCGGGACTATTGCAATATGAGAAAATGGGGGACCACATATTCGTGACAGCAGTGTCCAGTCCT
AACGTCTGCTTCACCCAGGTGCCGCCACCCCTTAGAGCTGCCGTGCGAGTAGATGGAGTACAGGTGCAGT
GCTACCTGGGCGAGCCCAAACTCCTTGGACCACTAGCGCGTGTGCTATGGACCAGATGGCAAGGGGAA
GACCGTGAAGCTGCCCTTTCGAGTAGATGGCCACACCCGCGTCCGAATGCAGTTGAACCTGAGGGAT
GCCCTGGAACCTAACGACTGTAAACAGCACCAATAACACCCCAAGCGACGAAGCCGAGTTAGTGCCTGG
TGTTTAAACAGGAGCTCCGACGGACCAATCAGCTGCTTGAGGCCATAAGTGCAGGCGTCGACACGACCAA
ACTTCCCCTCCCTCCATTGAAGAGGTGGTGGTGCGAAAAGGCAGTTTCGCGCCAGAACAGGTTCCCTG
ACACTGCCACCACCACCAAGGTCCGTTCCAGGCGTGTCTTGCCCCGAGTCACTTCAGCGGAGCGACCCTC
TGGAGGGTCTAGTAATCTTCCCTCCCTCCACCTGTCTGCAATTGGCCATGCCTATGCCCTCTCTGGG
AGCAGGAGAGTGCAACCCCTTTACGGCCATTGGTTGCGCTATGACCGAGACAGGCGGCGGACCAGATGAC
CTCCCCAGTTACCTCCCAAGAAAGAAGTCTCTGAATGGTCAGACGAATCTTGAGACAGGCCACTACGG
CGAGCTCTTATGTGACTGGACCACCGTATCCCAAGATCCGGGGGAAGGACTCAACACAGTCAGCGCCCGC
AAAGCGCCCCACTAAAAAACTGGGAAAATCCGAATTTAGTTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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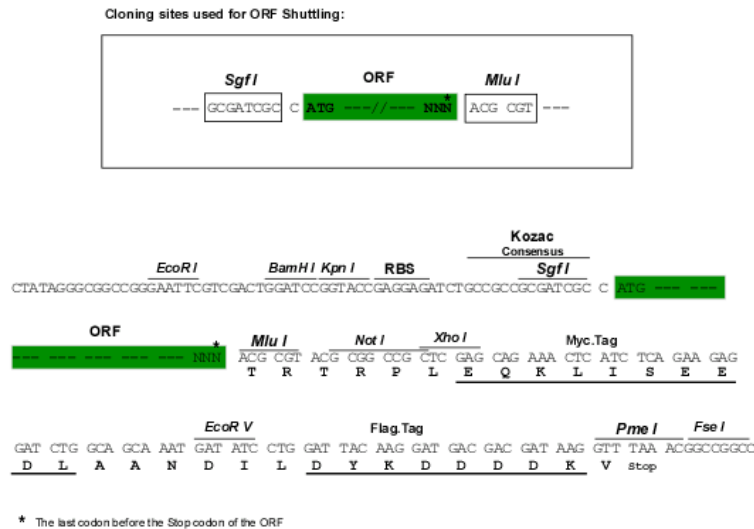
Protein Sequence: >VC102239 representing NP_757360
 Red=Cloning sites Green=Tags

MGLIAWGLEIWQYVCNFFVICFNVLKAGVQSMVNIPGCPFYSCQKGYKGPWIGSGLQARCPGAEIIFS
 VENGFALYKGPRTCSNYWRGAVPVNARLCGSARPDPTDWTSLVVNYGVRDYCKYEKMGDHFVTAVSSP
 NVCFTQVPPTLRAAVAVDGVQVQCYLGEPKTPWTTSSACCYGPDGKGKTVKLPFRVDGHTPGVRMQLNLRD
 ALETNDCNSTNTPSDEAAVSALVFKQELRRTNQLLEAISAGVDTTKLPAISIEEVVVRKRQFRARTGSL
 TLPPPPRSVPGVSCPESLQSRSDPLEGPSNLPPSPVQLAMPPLLGAECNPFTAIGCAMTETGGGPDD
 LPSYPPKKEVSEWSESWSTATTASSYVTGPPYPKIRGKDSTQSAPAKRPTKKLKGSEFSC

TRTRRLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NC_001655

ORF Size: 1236 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_001655.1, NP_757360

RefSeq ORF: 1236 bp

MW: 44.6 kDa