

## Product datasheet for **VC102533**

### nonstructural protein NS2B (NC\_012532) Virus Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** nonstructural protein NS2B (NC\_012532) Virus Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** nonstructural protein NS2B  
**Synonyms:** ZIKV\_gp1, ZIKV  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >The Viral ORF clone VC102533 represents NCBI reference of YP\_009227201 with codon optimized for human cell expression  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

**ATGTCATGGCCTCCAAGTGAAGTGTGCTGACTGCTGTGGACTGATTTGCGCGCTGGCCGGGGATTGCAA**  
**AAGCTGACATCGAGATGGCAGGACCAATGGCAGCTGTTGGACTTCTTATTGTGTCTTATGTGGTCAGTGG**  
**GAAAAGTGTGGACATGTATATAGAGAGAGCAGGGGATATTACATGGAAAAGGATCGGGAAGTACTGGT**  
**AATTCACCAAGATTGGACGTGGCGCTGGACGAATCTGGGACTTTAGCCTTGTGCGAGGAAGACGGACCAC**  
**CAATGAGAGAGATAATTCTGAAAGTAGTACTTATGGCAATATGTGGAATGAACCCATTGCAATACCATT**  
**CGCCCGAGGAGCCTGGTATGTGTATGTAAAAACAGGGAAGAGG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >VC102533 representing YP\_009227201  
**Red**=Cloning sites **Green**=Tags

MSWPPSEVLTAVGLICALAGGFADIEIMAGPMAAVGLLIVSYVVSQKSVDMYIERAGDITWEKDAEVTG  
NSPRLDVALDESGDFSLVEEDGPPMREIILKVVLMAICGMNPIAIPFAAGAWVYVYKTKGR

**TR**TRPLEQ**KL**ISEEDLAANDILDYKDDDDK**V**

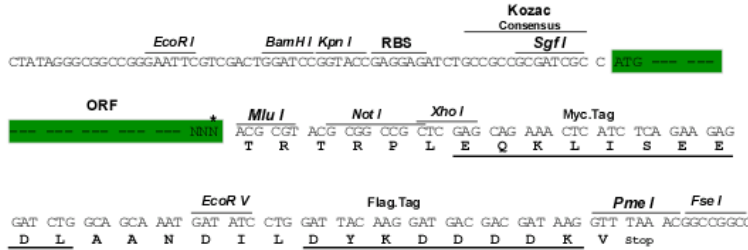
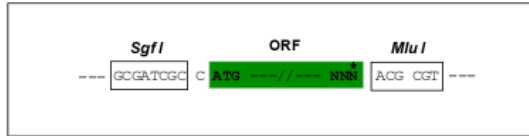
**Restriction Sites:** SgfI-MluI



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Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

ACCN: NC\_012532

ORF Size: 393 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\\_012532.1](#), [YP\\_009227201](#)

RefSeq ORF: 393 bp

MW: 13.9 kDa