

Product datasheet for **VC102550**

nonstructural protein NS4A (NC_001474) Virus Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: nonstructural protein NS4A (NC_001474) Virus Tagged ORF Clone
Tag: Myc-DDK
Symbol: nonstructural protein NS4A
Synonyms: DENV_gp1, Dengue, DENV
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >The Viral ORF clone VC102550 represents NCBI reference of NP_739588 with codon optimized for human cell expression
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCTCACTTTGAACCTGATTACTGAAATGGGTGCGCTTCTACCTTTATGACACAAAAGCTAGAG
ACGCTTTGGACAACCTCGCCGACTCCACACCGCGGAAGCTGGCGGACGAGCATATAATCACGCTCTCTC
TGAACTGCCGAAACTCTTGAACACTGCTCCTCCTCACACTGCTTGCCACTGTTACCGCGGCATCTTC
CTTTTTCTATGTCTGGTCGGGAATCGGTAATAATGACACTTGGAAATGTGTGTATCATTACAGCCTCTA
TACTCTTGTGGTATGCCAGATTAGCCGATTGGATAGCTGCCTCTATTATACTGAATTTTTTCTCAT
CGTACTTCTTATACTGAACCTGAAAAACAACGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >VC102550 representing NP_739588
Red=Cloning sites **Green**=Tags

MSLTLNLIITEMGRLPTFMTQKARDALDNLAVLHTAEAGGRAYNHALSELPETLETLTLLTLLATVTGGIF
 LFLMSGRGIGKMTLGMCCIITASILLWYAQIQPHWIAASIIIEFFLIVLLIPEPEKQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:



ACCN: NC_001474

ORF Size: 384 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_001474.2](#), [NP_739588](#)

RefSeq ORF: 384 bp

MW: 14.1 kDa