

# Recombinant ZIKV(strain Zika SPH2015) NS1 protein, His-tagged

**Cat. No.** NS1-753Z    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant ZIKV(strain Zika SPH2015) NS1 (ALU33341.1) (Val796-Leu1157) was expressed with a polyhistidine tag at the C-terminus.
<b>Species</b>	Zika
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Val796-Leu1157
<b>Description</b>	Zika virus NS1 antigen is one of seven non-structural proteins. NS1 is involved in RNA replication. The possible effects of NS1 on hosts include: 1) centrifugation to host cell surface and secreted extracellularly, modulates signalling of innate immune system, has possible damages to platelets and endothelial cells through anti-NS1 antibodies.
<b>Predicted N Terminal</b>	Val 796
<b>Form</b>	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.0, 10 % gly. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant the Zika virus (strain Zika SPH2015) NS1 consists of 373 amino acids and predicts a molecular mass of 42.6 kDa.

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<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 90% as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade. Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Official Symbol</b>	NS1
<b>Synonyms</b>	NS1

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