

## Recombinant Zika virus NS1 Protein, His-Avi-tagged, Biotinylated

**Cat. No.** NS1-1745Z    **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview**      Biotinylated Zika virus NS1, His Tag is expressed from HEK293 cells. It contains AA Val 796 - Ser 1148 (Accession # ALU33341.1). This protein carries an Avi tag at the C-terminus, followed by a polyhistidine tag.

**Species**                      Zika

**Source**                        HEK293

**ProteinLength**              796-1148 a.a.

**Predicted N Terminal**      Val 796

**Form**                          Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.

**Molecular Mass**              The protein has a calculated MW of 43.3 kDa. The protein migrates as 46-50 kDa under reducing condition (SDS-PAGE) due to glycosylation.

**Endotoxin**                      < 1.0 EU per µg of the protein as determined by the LAL method.

**Purity**                         >90% as determined by SDS-PAGE.

**Characteristic**                Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.

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<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Conjugation</b>	Biotin
<b>GENE INFORMATION</b>	
<b>Official Symbol</b>	NS1
<b>Synonyms</b>	NS1

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