

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.
Source	HEK293
Species	Zika virus
Tag	His-Avi
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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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	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.
Reconstitution	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.
Official Symbol	NS1
Synonyms	NS1