

## ZIKV NS1 Protein, His Tag, E. coli

**Catalog Number** LDG002PVE

**Package** 5 µg / 20 µg / 100 µg / 1 mg / Customized package

For full product information, images and publications, please visit [our website](#).



### Specifications

#### Species of Origin

Zika virus

#### Expression system

Escherichia coli

#### Affinity Tag

His Tag (C-term)

#### Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.

#### Purity

>98% as determined by SDS-PAGE analysis.

#### Molecular weight

The protein has a calculated MW of 41.16 kDa. The protein migrates as 35-48 kDa under reducing condition (SDS-PAGE analysis).

#### Form

Lyophilized

### Background

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**Background**

Zika virus (ZIKV), a member of Flaviviridae family, is an emerging disease that is spread by Aedes mosquitoes. ZIKV is composed of a single polyprotein that is cleaved into three structural proteins: capsid (C), precursor of membrane (prM), envelop (E) and seven non-structural proteins: NS1, NS2A, NS2B, NS3, NS4A, NS4B and NS5. ZIKV NS1 protein is containing 355 amino acids with polyhistidine tag at the C-terminus. ZIKV NS1 protein is a multifunctional virulence factor. The glycosylated NS1 exists as a membrane-associated dimer after translocation into the endoplasmic reticulum lumen, where it is essential for viral genome replication

**Uniprot ID**

#Q32ZE1

**Synonyms**

Genome polyprotein

**Sequence Note**



Asp791-Ser1144

**Instruction****Reconstitution**

It is recommended to reconstitute the lyophilized protein in sterile H<sub>2</sub>O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Shipping**

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

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### Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

### Image



SDS-PAGE analysis of recombinant ZIKV NS1 protein.

**Disclaimer :** For Research Use or Further Manufacturing Only.

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