Zika virus (ZIKV) (strain Zika SPH2015) ZIKV-NS1 protein (His Tag)

Catalog Number: 40544-V07H

General Information

Gene Name Synonym:
ZIKV-NS1

Protein Construction:
A DNA sequence encoding the Zika virus (strain Zika SPH2015) NS1 (ALU33341.1) (Val796-Leu1157) was expressed with a polyhistidine tag at the N-terminus.

Source: ZIKV

Expression Host: HEK293 Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE.

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

Stability:
Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: His

Molecular Mass:
The recombinant Zika virus (strain Zika SPH2015) NS1 consists of 381 amino acids and predicts a molecular mass of 43.5 kDa.

Formulation:
Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

Protein Description

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 localization 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.

References