

# ZIKV ZIKV-E recombinant protein (C-human IgG1-Fc)



Catalog Number: 514807

## General Information

### Protein Construction

A DNA sequence encoding the Zika virus (strain Zika SPH2016) E<sub>stem</sub> (Stem/anchor domain of flavivirus envelope glycoprotein E) (ALU33341.1) (Gly698-Ala794) was expressed with the Fc region of human IgG1 at the C-terminus.

### Organism

ZIKV

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  protein as determined by the LAL method.

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gly 698

### Molecular Mass

The recombinant Zika virus (strain Zika SPH2016) E<sub>stem</sub> (Stem/anchor domain of flavivirus

envelope glycoprotein E) consists of 335 amino acids and predicts a molecular mass of 36.7 kDa.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.

2. Please contact us for any concerns or special requirements.

## Usage Guide

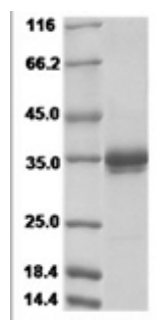
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

### SDS-PAGE



ZIKV Envelope / Zika-E Protein 15330