

## General Information

### Protein Construction

A DNA sequence encoding the Dengue virus (DENV) (type 3, strain Philippines/H87/1956) NS1 (AAA99437.1) (Asp774-Ala1125) was expressed with a polyhistidine tag at the N-terminus.

### Organism

DENV

### Expression Host

Human Cells

## QC Testing

### Purity

> 90 % 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

His

### Molecular Mass

The recombinant Dengue virus (DENV) (type 3, strain Philippines/H87/1956) consists of 371 amino acids and predicts a molecular mass of 42.1

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

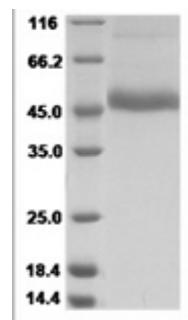
### Storage

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



DENV DENV-NS1 / Nonstructural protein 1  
Protein 15328