

## Recombinant DENV(type 2, strain New Guinea C/PUO-218 hybrid) E protein(Phe247-Gly675), His-tagged

**Cat. No.** E-2432D    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant envelope protein of Dengue virus (DENV)(type 2, strain New Guinea C/PUO-218 hybrid)(AAC59274.1) (Phe247-Gly675, with two amino acids "MV" at the N-terminal) was expressed in Insect Cells with a polyhistidine tag at the C-terminus. |
| <b>Species</b>          | DENV                                                                                                                                                                                                                                               |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Phe247-Gly675                                                                                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.0, 10 % glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                  |
| <b>Molecular Mass</b>   | The recombinant envelope protein of Dengue virus (DENV)(type 2, strain New Guinea C/PUO-218 hybrid) consists of 442 amino acids and predicts a molecular mass of 49.2 kDa.                                                                         |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                           |
| <b>Purity</b>           | > 80 % as determined by SDS-PAGE.                                                                                                                                                                                                                  |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein                                                                         |

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**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.

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