Dengue virus (DENV) (type 2, strain New Guinea C/PUO-218 hybrid) E / Envelope Protein (His Tag)
Catalog Number: 40471-V08B6

**General Information**

**Gene Name Synonym:**
E

**Protein Construction:**
A DNA sequence encoding the Dengue virus (DENV) (type 2, strain New Guinea C/PUO-218 hybrid) E (AAC59274.1, with mutation Thr 76 Arg, Gln 77 Glu, Trp 101 Arg, Leu 107 Arg) (Met281-Gly679) was expressed with a polyhistidine tag at the C-terminus.

**Source:** DENV

**Expression Host:** Baculovirus-Insect 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:** Met

**Molecular Mass:**
The recombinant Dengue virus (DENV) (type 2, strain New Guinea C/PUO-218 hybrid) E consists of 410 amino acids and predicts a molecular mass of 45.7 kDa.

**Formulation:**
Lyophilized from sterile 20 mM Tris, 300 mM NaCl, pH 8.5, 10 % glycerol.

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.