

# Recombinant DENV (type 1, strain US/Hawaii/1944) E / Envelope Protein

RPES6887

## Description

---

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

---

**SKU:** RPES6887

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

**Contents:** 100µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** DENV

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

**Synonyms:** DENV, Dengue virus, E Protein

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.  
Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** C-His

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** Baculovirus-Insect Cells

**Bio-Activity:** Not validated for activity

**Calculated MW:** 12.4 kDa

**Formulation:** Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.0, 10% glycerol. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** -

**Reconstitution:** Please refer to the printed manual for detailed information.

**Accession:** ACF49259.1

**Source:** Baculovirus-Insect Cells-derived  
DENV DENV (type 1, strain  
US/Hawaii/1944) E / Envelope protein  
Val580-Lys680, with an C-terminal His

**Sequence:** Val580-Lys680

**Form:** Lyophilized powder

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.