Dengue virus (DENV) (type 1, strain US/Hawaii/1944) E / Envelope Protein (Domain III, His Tag)

Catalog Number: 40531-V08B

General Information

Gene Name Synonym:
E

Protein Construction:
A DNA sequence encoding the Dengue virus (DENV)(type 1, strain US/Hawaii/1944) E (ACF49259.1) (Val580-Lys680) 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: Val 580

Molecular Mass:
The recombinant Dengue virus (DENV)(type 1, strain US/Hawaii/1944) E consists of 112 amino acids and predicts a molecular mass of 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% 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.