

Dengue virus (DENV) (type 4, strain Philippines/H241/1956) E / Envelope Protein (ECD, His Tag)

Catalog Number: 40533-V08B2



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

E

Protein Construction:

A DNA sequence encoding the envelope protein of Dengue virus (DENV)(type 4, strain Philippines/H241/1956) (AAX48017.1) (Met280-Gly674) was expressed with a polyhistidine tag at the C-terminus.

Source: DENV

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 90 % 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 280

Molecular Mass:

The recombinant envelope protein of Dengue virus (DENV)(type 4, strain Philippines/H241/1956) consists of 406 amino acids and predicts a molecular mass of 44.8 kDa.

Formulation:

Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 %gly, pH 8.0.

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:

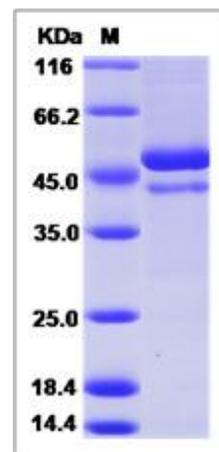
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



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