

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

Product Overview	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.
Species	DENV
Source	Insect Cells
ProteinLength	Phe247-Gly675
Form	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.
Molecular Mass	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.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 80 % as determined by SDS-PAGE.
Storage	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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