Recombinant Dengue virus (DENV) (type 4, strain Philippines/H241/1956) E protein(Thr579-Lys679), His-tagged

Cat. No. E-2439D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant envelope protein of Dengue virus (DENV)(type 4, strain Philippines/H241/1956) Envelope Protein (AAX48017.1) (Thr579-Lys679) was expressed in HEK293 with a polyhistidine tag at the C-terminus.
Species	DENV
Source	HEK293
ProteinLength	Thr579-Lys679
Form	Lyophilized from sterile PBS, pH 7.4. 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 4, strain Philippines/H241/1956) consists of 112 amino acids and predicts a molecular mass of 12.41 kDa.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 95% 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 be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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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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