

Recombinant Dengue virus (DENV) (type 2, strain New Guinea C) NS1 protein(Asp1-Ala352), His-tagged

Cat. No. NS1-2441D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dengue virus (type 2, strain New Guinea C) NS1 (AAC59275.1) (Asp1-Ala352) was expressed in HEK293 with a polyhistidine tag at the N-terminus.
Species	DENV
Source	HEK293
ProteinLength	Asp1-Ala352
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 Dengue virus (type 2, strain New Guinea C) NS1 consists of 371 amino acids and predicts a molecular mass of 42.3 kDa. The apparent molecular mass of the protein is approximately 45.8 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % 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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