

## Active Recombinant DENV2 (strain Thailand/16681/1984) NS1 protein, His-tagged

**Cat. No.** NS1-0576D    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant DENV2 (strain Thailand/16681/1984) NS1 protein(Asp776-Ala1127), fused with His tag, was expressed in HEK293.                                                                               |
| <b>Species</b>          | DENV2                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 776-1127 a.a.                                                                                                                                                                                          |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.                                                                                                                 |
| <b>Bio-activity</b>     | Immobilized DENV2 (strain Thailand/16681/1984) NS1 protein, His Tag at 1 µg/mL (100 µL/well) can bind Mouse Anti-NS1(DENV) Antibody 2B7, Mouse IgG1 with a linear range of 0.1-2 ng/mL.                |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 41.8 kDa. The protein migrates as 45-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Proteinlength</b>    | Asp776-Ala1127                                                                                                                                                                                         |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                             |
| <b>Purity</b>           | >90% as determined by SDS-PAGE. >90% as determined by SEC-MALS.                                                                                                                                        |

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**Storage**

Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. 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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