

## Recombinant DENV3 NS1 Protein

Cat. No. NS1-07D Lot. No. (See product label)

### SPECIFICATION

|                         |  |
|-------------------------|--|
| <b>Product Overview</b> | Dengue virus serotype 3 NS1 protein is a recombinant protein, cloned and expressed in insect cells with greater than 95% purity.   |
| <b>Species</b>          | DENV3  |
| <b>Source</b>           | Insect Cells   |
| <b>Description</b>      | <p>Dengue virus is a globally distributed flavivirus with 4 distinct serotypes (DENV1, 2, 3 and 4) and is primarily transmitted by the Aedes aegypti mosquito, which is found throughout the tropical and subtropical regions of over 100 countries. DENV poses a significant worldwide public health threat with approximately 2.5 to 3 billion people residing in DENV endemic areas, among whom 100 to 200 million individuals will be infected and approximately 30,000 patients will succumb to the disease, annually.</p> <p>NS1 is produced during all four DENV infections and is released as a hexamer circulating in great quantities in acute-phase blood of infected humans. In diagnostics, DENV NS1 is used as an antigen test for rapid detection on the first day of fever, before antibodies appear some 5 or more days later. It has emerged as an alternative biomarker to both serologic and molecular based techniques for diagnosis of acute DENV infection.</p> |
| <b>Form</b>             | Liquid   |
| <b>Purity</b>           | > 95%  |
| <b>Applications</b>     | Immunoassay development or other applications.   |

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|-----------------------|---|
| <b>Storage</b>        | Short Term Storage: -20 centigrade<br>Long Term Storage: -80 centigrade<br>General Storage Conditions: Avoid multiple freeze-thaw cycles. |
| <b>Storage Buffer</b> | PBS, pH 7.4 with 0.05% sodium azide as preservative   |
| <b>Shipping</b>       | Dry Ice   |

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