

## Recombinant Flavivirus NS1 Protein, His-tagged

Cat. No. JAP-470    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <b>Product Overview</b> | The flavivirus NS1 protein pack is perfect for creating an immediate screening capability for antibody cross-reactivity against multiple flavivirus NS1 proteins, all correctly folded and glycosylated to represent the native state.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Tag</b>              | His                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Background</b>       | <p>There is a very high level of structural similarity between all members of the flavivirus family. This can result in serological tests to detect patient IgM and IgG responses giving inaccurate results. This has been particularly highlighted during the recent Zika virus outbreak in South America, where difficulties have been experienced in differentiating Zika virus infection from that with other flaviviruses.</p> <p>The need to screen Dengue virus and Zika virus NS1 kits for cross-reactivity against other flavivirus NS1 proteins has driven the creation of the flavivirus NS1 protein pack. These packs contain a vial from each of the other four important flavivirus NS1's (Yellow Fever Virus, West Nile Virus, Japanese Encephalitis Virus and Tick-borne Encephalitis Virus).</p> |
| <b>Purity</b>           | >95% pure by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Sequence Strain</b>  | SA-14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Formulation</b>      | DPBS pH7.4, 0.2um filter sterilised                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b>    | 0.52 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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**Notes**

This product is intended for research and manufacturing uses only. It is not a diagnostic device. The user assumes all responsibility for care, custody and control of the material, including its disposal, in accordance with all regulations.

**Type**

Recombinant

**ClassID 1**

Infectious Disease

**GENE INFORMATION****Synonyms**

Flavivirus NS1 Pack

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