



# Recombinant DENV type 2 NS1 [His] (DAG-T1026)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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| <b>Product Overview</b> | A DNA sequence encoding full length of the Dengue virus type-2 NS1 was expressed with a polyhistidine tag at the C-terminus |
| <b>Purity</b>           | > 85% as determined by SDS-PAGE   |
| <b>Conjugate</b>        | His   |
| <b>Applications</b>     | Immunoassays  |
| <b>Molecular Weight</b> | 45 kDa  |
| <b>Format</b>           | Liquid  |
| <b>Size</b>             | 100µg, 500µg, 1mg   |
| <b>Buffer</b>           | PBS and 25mM K <sub>2</sub> CO <sub>3</sub>   |
| <b>Preservative</b>     | None  |
| <b>Storage</b>          | Store at 2°C to 8°C short term (up to 1 week) or frozen below -20°C   |

## BACKGROUND

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| <b>Introduction</b> | Dengue virus (DENV) is the cause of dengue fever. It is a mosquito-borne, single positive-stranded RNA virus of the family Flaviviridae; genus Flavivirus. Four serotypes of the virus have been found, and a reported fifth has yet to be confirmed, all of which can cause the full spectrum of disease. Dengue virus has increased dramatically within the last 20 years, becoming one of the worst mosquito-borne human pathogens which tropical countries have to deal with. Current estimates indicate that as many as 390 million infections occur each year, |
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and many dengue infections are increasingly understood to be asymptomatic or subclinical.

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**Keywords**

Dengue virus; DENV; Nonstructural protein 1

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