



# Recombinant Dengue Virus Serotype 1 NS1 Protein (a.a.777-1131) [His] (DAGC028)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Dengue Type 1 Non-Structural Protein 1 (NS1) (a.a.777-1131), Recombinant. Product contains Histidine tag.
<b>Species</b>	DENV
<b>Purity</b>	> 85% Pure (SDS-PAGE). Affinity Chromatography
<b>Conjugate</b>	His
<b>Applications</b>	Suitable for use in ELISA and Lateral Flow. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Molecular Weight</b>	~ 45 kDa
<b>Format</b>	Liquid
<b>Concentration</b>	1.8 mg/mL (Bradford Method)
<b>Size</b>	1 mg
<b>Buffer</b>	Phosphate Buffered Saline, pH 7.4
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Store at $\leq -20^{\circ}\text{C}$ .

## BACKGROUND

**Introduction** Dengue virus (DEN) is a small single-stranded RNA virus comprising four distinct serotypes

(DEN-1 to -4). These closely related serotypes of the dengue virus belong to the genus Flavivirus, family Flaviviridae. The mature particle of the dengue virus is spherical with a diameter of 50nm containing multiple copies of the three structural proteins, a host-derived membrane bilayer and a single copy of a positive-sense, single-stranded RNA genome. The genome is cleaved by host and viral proteases in three structural proteins (capsid, C, prM, the precursor of membrane, M, protein and envelope, E) and seven nonstructural proteins (NS).

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**Keywords**

DENV type 1 NS1; DENV; DENV Type1; DENV; Dengue Virus

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