

## Product Datasheet

### Dengue Virus 2 (DENV2) NS3 Protein (orb1921725)

<b>Catalog Number</b>	orb1921725
<b>Category</b>	Proteins
<b>Description</b>	<p>Dengue virus (DENV) is a single-stranded positive-sense RNA virus that causes dengue fever, belonging to the Flaviviridae family. A total of four antigenically distinct serotypes (DENV1, DENV2, DENV3 and DENV4) have been identified with different manifestations of clinical symptoms despite sharing 65% similarities. DENV non-structural protein 1 (NS1), one of the 7 non-structural proteins in DENV, is a highly conserved 48-kDa glycoprotein with serotype-specific epitopes that enable differentiation of DENV serotypes. NS1 is the only protein that is continuously secreted by infected host cells. NS1 is secreted in a hexamer form, which is composed of three dimers with a detergent-sensitive hydrophobic central cavity that carries a cargo of ~70 lipid molecules. The NS1 can be detected in the serum of patients from the onset of symptoms, which serves as a more useful diagnostic marker for the early detection of DENV. Furthermore, DENV NS1 plays a pathogenic role in vascular leakage.</p>
<b>Form/Appearance</b>	Purified,Liquid
<b>Buffer/Preservatives</b>	PBS, 5% mannitol, 0.01% Tween 80, pH7.4
<b>Purity</b>	>95% pure (SDS-PAGE)
<b>Purification</b>	Protein A Chromatography
<b>MW</b>	40 kDa
<b>Tested applications</b>	CLIA
<b>Expression System</b>	Mammalian cell
<b>Matched Pairs</b>	Control
<b>Source</b>	Dengue virus type 2 (strain ChiN/A/D2-04) (DENV-2)

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<b>Sample Types</b>	Test sample type: Whole Blood. Test sample source: Human
<b>Storage</b>	For long term storage, the product should be stored at -20°C or lower.
<b>Note</b>	For research use only
<b>Expiration Date</b>	6 months from date of receipt.

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