

Recombinant DENV4 NS1 Protein

Cat. No. NS1-09D Lot. No. (See product label)

SPECIFICATION

Product Overview	Dengue virus serotype 4 NS1 protein is a recombinant protein, cloned and expressed in insect cells with greater than 95% purity.
Species	DENV4
Source	Insect Cells
Description	<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>
Form	Liquid
Purity	> 95%
Applications	Immunoassay development or other applications.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Storage	Short Term Storage: -20 centigrade Long Term Storage: -80 centigrade General Storage Conditions: Multiple freeze/thaw cycles are to be avoided.
Storage Buffer	PBS, pH 7.4 with 0.05% sodium azide as preservative
Shipping	Dry Ice

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