

Recombinant DENV type 3 NS1 (a.a. 775-1129) (DAG3064)

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

PRODUCT INFORMATION

Product Overview	Recombinant Dengue Type 3 NS1 Protein
Nature	Recombinant
Expression System	Insect cells
Species	DENV
Purity	≥ 95% on 12.5% SDS-PAGE
Conjugate	Unconjugated
Applications	Ag test control
Procedure	5 mM EDTA
Concentration	≥ 1 mg/ml by Bradford dye assay
Buffer	1X PBS, pH7.4
Preservative	0.1% Thimerosal
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	NS1 is one of 7 Dengue Virus non-structural proteins which are thought to be involved in viral replication. NS1 exists as a monomer in its immature form but is rapidly processed in the endoplasmic reticulum to form a stable dimer. A small amount of NS1 remains associated with intracellular organelles where it is thought to be involved in viral replication. The rest of NS1 is

45-1 Ramsey Road, Shirley, NY 11967, USA
Email:info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved

	found either associated with the plasma membrane or secreted as a soluble hexadimer. NS1 is essential for viral viability but its precise biological function is unknown. Antibodies raised in response to NS1 in viral infection can cross react with cell surface antigens on epithelial cells and platelets and this has been implicated in the development of Dengue Hemorrhagic fever.
Keywords	Dengue NS1; Dengue Virus non-structural protein 1; Dengue Virus NS1 glycoprotein; DENV NS1

45-1 Ramsey Road, Shirley, NY 11967, USA
Email:info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved