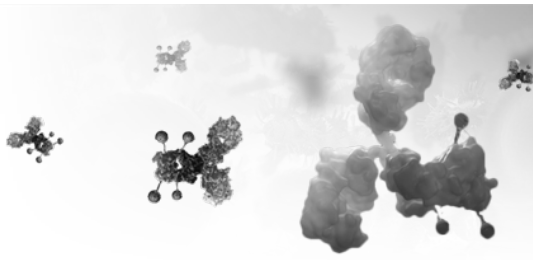

Recombinant HCV type 2c Nonstructural Protein 3 (a.a. 1192-1459) [GST] (DAG-P2760)

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

PRODUCT INFORMATION

Product Overview	Active hepatitis c virus Hepatitis C Virus Genotype 2c NS3 protein fragment
Antigen Description	The polyprotein is processed by host cell and viral proteases into three major structural proteins including NS3, and several non-structural proteins necessary for viral replication. The NS3 part of the polyprotein displays three enzymatic activities: serine protease, NTPase and RNA helicase. The NS3 serine proteinase (NS3P) is a non-structural hepatitis C protein responsible for proteolytic processing of other non-structural proteins; because of this, it is also the most extensively studied protein of the Hepatitis C genome. It is responsible for proteolytic processing of the entire downstream region of the HC polyprotein, catalyzing cleavage at the NS3/NS4a, NS4a/NS4b, NS4b/NS5a, and NS5a/NS5b sites to release the mature NS3, NS4a, NS4b, NS5a, and NS5b proteins.For proper function, NS3 requires NS4a as a cofactor, but, interestingly enough, NS3 also cleaves the NS4a protein. HCV Genotype information is important because of the role it plays in predicting HCV medical treatment response and treatment duration. Sustained cure rates (sustained viral response) of 75% or better occur in people with genotypes HCV 2 and 3 in 24 weeks of treatment.
Species	HCV
Purity	> 95 % by SDS-PAGE.This antigen was purified by proprietary chromatographic techniques.
Conjugate	GST
Applications	WB ELISA
Bio-activity	This protein is immunoreactive with sera of HCV-infected individuals.
Format	Liquid
Buffer	Preservative: None Constituents: 50% Glycerol, 0.2% Triton-X, 1.5M Urea, 25mM Tris HCl, pH 8.0

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Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 50% Glycerol, 0.2% Triton-X, 1.5M Urea, 25mM Tris HCl, pH 8.0 This product is an active protein and may elicit a biological response in

BACKGROUND

Introduction	Hepatitis C Virus is a positive, single stranded RNA virus in the Flaviviridae family. The genome is approximately 10,000 nucleotides and encodes a single polyprotein of about 3,000 amino acids. The polyprotein is processed by host cell and viral protease
Keywords	HCV 2c NS3; HCV NS3; Hepacivirin; Hepatitis C virus NS3; Hepatitis C virus NS3 protein, genotype 2c; NS3P; p70; HCV Genotype 2c NS3

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