



# Recombinant HCV type 4 Nonstructural Protein 5 [GST] (DAG4004)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant Hepatitis C Virus Non-structural Protein 5 Genotype-4, GST-Tagged
<b>Antigen Description</b>	NS5A is a ~56 kDa pleiotropic protein with key roles in both viral RNA replication and modulation of the physiology of the host cell. It's exact role is not currently known (2008). NS5B (non-structural protein 5B) is an RNA-dependant RNA polymerase respon
<b>Species</b>	HCV
<b>Purity</b>	HCV NS5 Genotype-4 protein is greater than 95% pure as determined by 10% PAGE (coomassie staining). HCV NS5 Genotype-4 protein was purified by proprietary chromatographic technique.
<b>Conjugate</b>	GST
<b>Applications</b>	ELISA and Western blots, excellent antigen for detection of HCV with minimal specificity problems.
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

<b>Introduction</b>	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 polypeptide of about 3, 000 amino acids. The polypeptide is processed by host cell and viral proteases into three major structural proteins and several non structural proteins necessary for viral replication. Several different genotypes of HCV with slightly different genomic sequences have since been identified that correlate with differences in response to treatment with interferon alpha.
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**Keywords**

HCV NS5; Hepatitis C virus non structural protein 5; Hepatitis C virus nonstructural protein 5;  
Hepatitis C Virus NS5; HCV NS5 Genotype 2a; Hepatitis C Virus NS5 Genotype 2a

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