



# Recombinant HCV type 1 Nonstructural Protein 4 Mosaic (a.a. 1691-1710, 1712-1733, 1921-1940) [GST] (DAG3500)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant Hepatitis C Virus NS4 Mosaic Genotype-1(a.a. 1691-1710, 1712-1733, 1921-1940), GST-tagged
<b>Specificity</b>	Immunoreactive with sera of HCV-infected individuals.
<b>Species</b>	HCV
<b>Purity</b>	Protein is > 95% pure as determined by 10% PAGE (coomassie staining).
<b>Conjugate</b>	GST
<b>Applications</b>	Antigen in 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>	HCV 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. HCV is responsible for a large proportion of worldwide chronic viral hepatitis. Most of these infections develop into chronic hepatitis, which often progresses to liver cirrhosis and hepatocellular carcinoma. At present, (unlike hepatitis A and B), there is no vaccine to prevent hepatitis C infection. The hepatitis C virus (HCV) nonstructural protein 4B (NS4B) is a relatively hydrophobic 27-kDa protein. The 4A protein has a molecular weight of 6 kDa.
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**Keywords**

HCV; HCV NS4; Hepatitis C Virus nonstructural antigen 4; Non structural protein 4A; Non structural protein 4B; NS4A; NS4B; Flaviviridae; Hepacivirus; Hepatitis C virus; p27; p8; Hepatitis C Virus NS4; HCV NS4 Genotype 5; Hepatitis C Virus NS4 Genotype 5

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