



# Recombinant HCV Nonstructural Protein 4 (DAG1420)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant HCV NS4 HRP Labeled protein containing the HCV NS4 immunodominant regions was expressed in <i>E. coli</i> and purified by proprietary chromatographic technique.
<b>Species</b>	HCV
<b>Purity</b>	> 95% pure as determined by 10% PAGE (coomassie staining).
<b>Conjugate</b>	HRP
<b>Applications</b>	HCV NS4 Antigen is suitable for ELISA and Western blots, excellent antigen for detection of HCV with minimal specificity problems.
<b>Size</b>	100 µg, 500 µg, 1 mg
<b>Buffer</b>	25mM Tris-HCl pH 8, 1mM EDTA, 1.5M urea and 50%glycerol.
<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 RNAvirus in the Flaviviridae family. The genome is approximately 10, 000nucleotides and encodes a single polyprotein of about 3, 000 amino acids.HCVis responsible for a large proportion of worldwide chronic viral hepatitides.Most of these infections develop into chronic hepatitis, which oftenprogresses 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 arelatively 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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