



Recombinant HCV Nonstructural Protein 4 (DAG1420)

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

PRODUCT INFORMATION

Product Overview	Recombinant HCV NS4 HRP Labeled protein containing the HCV NS4 immunodominant regions was expressed in E. coli and purified by proprietary chromatographic technique.
Species	HCV
Purity	> 95% pure as determined by 10% PAGE (coomassie staining).
Conjugate	HRP
Applications	HCV NS4 Antigen is suitable for ELISA and Western blots, excellent antigen for detection of HCV with minimal specificity problems.
Size	100 µg, 500 µg, 1 mg
Buffer	25mM Tris-Hcl pH 8, 1mM EDTA, 1.5M urea and 50%glycerol.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	HCV is a positive, single-stranded RNAvirus in the Flaviviridae family. The genome is approximately 10,000 nucleotides and encodes a single polyprotein 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
