



# Recombinant HCV type 1a Nonstructural Protein 5 [His] (DAG1427)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant HCV NS5 protein containing amino acids 2212-2313 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>	His
<b>Applications</b>	HCV NS5 Genotype-1a 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>	1.5M urea, 25 mM Tris-HCl, pH-8, 0.2% Triton-X and 50% Glycerol.
<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 polyprotein of about 3, 000 amino acids. The polyprotein 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;  
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