

Recombinant Hepatitis C Virus Core/NS3/NS4/NS5 Protein

Cat. No. HCVcAg-343H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Hepatitis C Virus Core/NS3/NS4/NS5 Antigen Protein is produced by E. coli expression system. Molecular weight is 33 kDa measured by SDS-PAGE (includes fusion protein). Contains four antigens expressed in E. coli in a chimera: -HCV Core Fragment (a.a. 11-45) -HCV NS3 Fragment (a.a. 1208-1430) -HCV NS4 Fragment (a.a. 1885-1923) -HCV NS5 Fragment (a.a. 2332-2423)
Species	HCV
Source	E.coli
Description	Hepatitis C virus (HCV) is an infectious disease that primarily affects the liver. It is the most serious type of hepatitis virus and can lead to cirrhosis and liver failure or cancer. It is estimated that 150–200 million people, or about 3% of the world's population, are living with chronic HCV.
Form	20 mM Phosphate Buffer, pH 7.4
Molecular Mass	33 kDa
Purity	> 90% pure (SDS-PAGE).
Applications	Suitable for use in ELISA and Lateral Flow Double Antigen Sandwich Assay. Each laboratory should determine an optimum working titer for use in its particular

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application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage

Store < 2 weeks at 2-8 centigrade. Long term store at -20 centigrade. Aliquot to avoid multiple freeze/thaw cycles

Concentration

5.15 mg/mL ($\{OD_{280} \times 1.45\} - \{OD_{260} \times 0.74\}$)

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