

Recombinant HCV Nucleocapsid Protein, Rhodamine conjugated

Cat. No. Nucleocapsid-752H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The HCV core nucleocapsid immunodominant regions, amino acids 2-192 was expressed in E. coli with a molecular weight of 22 kDa and it is rhodamine conjugated. Hepatitis C Virus core proteins are purified by proprietary chromatographic techniques.
Species	HCV
Source	E.coli
ProteinLength	2-192 a.a.
Description	The hepatitis C virus (HCV) core protein represents the first 191 amino acids of the viral precursor polyprotein and is cotranslationally inserted into the membrane of the endoplasmic reticulum (ER) Hepatitis C virus (HCV) core is a viral structural protein; it also participates in some cellular processes, including transcriptional regulation. However, the mechanisms of core-mediated transcriptional regulation remain poorly understood. Hepatitis C virus (HCV) core protein is thought to contribute to HCV pathogenesis through its interaction with various signal transduction pathways In addition, HCV core antigen is a recently developed marker of hepatitis C infection. It is remarkably efficient at establishing persistent infection, suggesting that it has evolved one or more strategies aimed at evading the host immune response. T cell responses, including interferon-gamma production, are severely suppressed in chronic HCV patients. The HCV core protein has been previously shown to circulate

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in the bloodstream of HCV-infected patients and inhibit host immunity through an interaction with gC1qR.

Form 25 mM Tris-HCl pH 8.0, 1 mM EDTA, 1.5 M urea and 50% glycerol

Purity > 95 % (SDS-PAGE)

Applications ELISA; Western Blot

Storage Store at -20 centigrade, avoid freeze/thaw cycles.

Conjugation Rhodamine

GENE INFORMATION

Official Symbol [Nucleocapsid](#)

Synonyms Nucleocapsid

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