

Recombinant Hepatitis C Virus Nucleocapsid, GST-tagged

Cat. No. HCV-207 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Hepatitis C Virus Nucleocapsid Combined Protein, GST-tagged, expressed in E.coli. Immunoreactive with sera of HCV-infected individuals.
Species	HCV
Source	E.coli
Description	The E.Coli derived 70 kDa recombinant protein contains sequences from 4 gene products (proteins) of the hepatitis C virus (HCV) were scanned by using 3 different PCR-based techniques in search of the most immunoreactive regions suitable for the development of a diagnostic test for the detection of anti-HCV in human sera. All PCR fragments were cloned with pGEX4-2T expression vector and expressed in E. coli as chimeric proteins with glutathione S-transferase. The most diagnostically relevant proteins identified in this study were then constructed into one recombinant antigen. The protein contains the HCV nucleocapsid, NS3 genotype 1b, NS4 genotype 1b and 1a, and NS5 genotype 1b and 1a immunodominant regions.
Tag	GST
Form	Liquid
Molecular Mass	70 kDa
Purity	>95% pure as determined by 10% PAGE (coomassie staining).

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Applications	HCV Antigen is suitable for ELISA and Western blots, excellent antigen for detection of HCV with minimal specificity problems.
Stability	HCV although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Usage	for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Storage Buffer	50mM Na-PO4, pH-8.5, 2.4mM EDTA, 5mM DTT and 0.1% SDS.
Shipping	Shipped with Ice Packs

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