C-HCV
Combined Hepatitis C Virus, NS3/NS4/NS5 recombinant, *E. coli*

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Amount</th>
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<tr>
<td>PR-1143</td>
<td>100 µg</td>
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*For in vitro use only!*

**Shipping:** shipped on blue ice  
**Storage Conditions:** store at -20 °C  
**Additional Storage Conditions:** avoid freeze/thaw cycles  
**Shelf Life:** 12 months  
**Molecular Weight:** 70 kDa  
**Purity:** > 95 % (SDS-PAGE)  
**Form:** liquid (Supplied in 50 mM NaPO₄ pH 8.5, 2.4 mM EDTA, 5 mM DTT and 0.1% SDS)

**Applications:**  
Antigen in ELISA and Western blots, excellent antigen for detection of HCV with minimal specificity problems.

**Description:**  
The protein contains the HCV nucleocapsid, NS3, NS4, and NS5 immunodominant regions. Combined Hepatitis C Virus protein is purified by proprietary chromatographic techniques.

**Background:**  
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.

**Specificity:** Immunoreactive with sera of HCV-infected individuals.

**Selected References:**