**HCV-NS4-G3 - Mosaic (residues 1691-1710/1712-1733/1921-1940)**

Hepatitis C Virus Non-Structural protein, Genotype 3 recombinant, *E. coli*

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Amount</th>
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<tbody>
<tr>
<td>PR-1164</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

**Purity:** > 95 % (SDS-PAGE, RP-HPLC)

**Form:** liquid (Supplied in 25 mM Tris-HCl pH 7.5, 1 mM EDTA, 1.5 M urea and 50% glycerol)

**Applications:**

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

**Description:**

Recombinant HCV-NS4 contains the fragments of the NS4 immunodominant regions: amino acids 1691-1710, 1712-1733, and 1921-1940. Hepatitis C Virus NS4 is purified by proprietary chromatographic techniques.

**Background:** The genome of hepatitis C virus (HCV) consists of seven functional regions: the core, E1, E2/NS1, NS2, NS3, NS4, and NS5 regions. Since the discovery of HCV, significant progress in the development of serologic tests for the detection of antibodies to HCV has been made. The earliest tests, developed for blood screening, were enzyme immunoassays (EIAs) that detect antibody to a cloned HCV NS4 protein (C100). The commercial EIAs that have been developed to date have used synthetic peptides or recombinant chimeric polyproteins as antigens.

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

**Selected References:**


