

## Hepatitis C Virus (HCV)

### Recombinant non-structural protein 3 (NS3), HCV (sub-type 1B)

<b>Synonyms</b>	none	
<b>Description</b>	Recombinant Hepatitis C virus NS3 is expressed in <i>E. coli</i> as a monomeric, non-glycosylated polypeptide chain consisting of 538 amino acids with a molecular mass of 56600 Da. The product represents amino acids 1007 to 1534 of the HCV polyprotein, covering the serine protease domain as well as the major part of the helicase domain.	
<b>Specifications</b>	<b>Source</b>	Genetically engineered <i>Escherichia coli</i>
	<b>Stabilizers</b>	None
	<b>Preservatives</b>	None
	<b>Diluent</b>	Antigen specific solution, contains 0.1% SDS. Antigen lots in PBS / 0.1% SDS are prepared on request only.
	<b>Purification</b>	Ion Exchange Chromatography
	<b>Purity</b>	> 98%, analysed by SDS-PAGE (reducing and non-reducing) followed by Coomassie-Blue staining and immunoprobings of Western blotted proteins with anti-E.coli serum (DAKO)
	<b>Endotoxin</b>	Not determined
	<b>Protein concentration</b>	Determined spectrophotometrically at 280nm (ext. coeff. 47840) and densitometrically by <i>Advanced Image Data Analyzer software</i> (Raytest) in relation to BSA standards
<b>Quality Control</b>	The integrity of the plasmid is controlled by restriction analysis and DNA sequencing. The expression product is characterized by N-terminal protein sequencing, SDS-PAGE (app. m.w.) and immunodetection of the Western blotted protein. In addition, correct reactivities compared to previous antigen lots with defined human and animal sera (negative, low, medium and high positive) are mandatory.	

#### Article No.

94302      HCV protein r-NS3  
1.5 ml

#### Storage and Shelf Life

At -80°C 10 years from the date of production  
Avoid repeated freeze-thaw cycles

*For in vitro investigational use only. Not intended for diagnostic or therapeutic procedures.*