

Hepatitis C Virus (HCV)

Recombinant non-structural protein 5B (NS5B), HCV (sub-type 1B)

Synonyms	HCV RNA-dependent RNA Polymerase, NS5-4	
Description	Recombinant Hepatitis C NS5B is expressed in <i>E. coli</i> as a monomeric, non-glycosylated polypeptide chain consisting of 251 amino acids with a molecular mass of 27700 Da. The product represents amino acids 2620 to 2866 of the HCV polyprotein, covering the central part of the native NS5B.	
Specifications	Source	Genetically engineered <i>Escherichia coli</i>
	Stabilizers	None
	Preservatives	None
	Diluent	Antigen specific solution, contains 0.1% SDS. Antigen lots in PBS / 0.1% SDS are prepared on request only.
	Purification	Ion Exchange Chromatography
	Purity	> 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)
	Endotoxin	Not determined
	Protein concentration	Determined spectrophotometrically at 280nm (ext. coeff. 35840) and densitometrically by <i>Advanced Image Data Analyzer software</i> (Raytest) in relation to BSA standards
Quality Control	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.

94306 HCV protein r-NS5B
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.