

Recombinant non-structural protein 4 (NS4), HCV (sub-type 1B)

Synonyms	none	
Description	Recombinant Hepatitis C virus NS4 is expressed in <i>E. coli</i> as a monomeric, non-glycosylated polypeptide chain consisting of 252 amino acids with a molecular mass of 26300 Da. The product represents amino acids 1617 to 1864 of the HCV polyprotein, covering the C terminal end (45 a.a.) of NS3, the complete NS4A sequence (54 a.a.) and the major part of NS4B (153 a.a. of the N-terminus).	
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. 32410) 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 blot-ted 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.

94304 HCV protein r-NS4
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.