

Recombinant Hepatitis C Virus NS3 Genotype-1b His

Catalog No.	CSI15724A CSI15724B CSI15724C	Quantity:	100 µg 0.5 mg 1.0 mg
Description:	<p>HCV is a small 50 nm, enveloped, single-stranded, positive sense RNA virus in the family Flaviviridae.</p> <p>HCV has a high rate of replication with approximately one trillion particles produced each day in an infected individual. Due to lack of proofreading by the HCV RNA polymerase, the HCV has an exceptionally high mutation rate, a factor that may help it elude the host's immune response. Hepatitis C virus is classified into six genotypes (1-6) with several subtypes within each genotype. The preponderance and distribution of HCV genotypes varies globally. Genotype is clinically important in determining potential response to interferon-based therapy and the required duration of such therapy. Genotypes 1 and 4 are less responsive to interferon-based treatment than are the other genotypes (2, 3, 5 and 6).</p> <p>The <i>E.coli</i> derived 26.2 kDa recombinant protein contains the HCV NS3 c33c immunodominant regions. The 252 amino acid protein is fused to 6 x His tag.</p>		
Source:	<i>E. coli</i>		
Molecular Weight:	26.2 kDa		
Formulation:	50 mM NaPO4 pH 8.3 and 10 mM DTT.		
Purity:	HCV NS3 Genotype-1b protein is >95% pure as determined by 10% PAGE (coomassie staining).		
Purification Method:	Purified by proprietary chromatographic technique		
Specific Activity:	Immunoreactive with sera of HCV-infected individuals.		
Amino Acid Sequence:	Starts: MRDSDSQTFQ Ends: DSVIDCNTCVT		
Storage & Stability:	HCV NS3 Genotype-1b although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.		
Applications:	HCV NS3 Genotype-1b antigen is suitable for ELISA and Western blots, excellent antigen for detection of HCV with minimal specificity problems.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.