Recombinant Hepatitis C Virus NS5 Genotype 1a (aa 2212 -2313)

Catalog No.	CSI15746A	**Quantity:**	100 µg
	CSI15746B		0.5 mg
	CSI15746C		1.0 mg

Description: HCV is a small 50 nm, enveloped, single-stranded, positive sense RNA virus in the family Flaviviridae.
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).
The *E.coli* derived 38 kDa recombinant protein contains the HCV NS5 Genotype1a immunodominant regions, amino acids 2212-2313

Source: *E. coli*

Molecular Weight: 38 kDa

Formulation: 1.5 M urea + 25 mM Tris-HCl, pH-8 + 0.2% Triton-X and 50% Glycerol.

Purity: HCV NS5 Genotype-1a protein is >95% pure as determined by 10% PAGE (coomassie staining).

Purification Method: HCV NS5 Genotype-1a protein was purified by proprietary chromatographic technique.

Storage & Stability: HCV NS5 Genotype-1a although stable at 4°C for 1 week, should be stored below -18°C. **Please prevent freeze thaw cycles.**

Applications: HCV NS5 Genotype-1a antigen is suitable for ELISA and Western blots, excellent antigen for detection of HCV with minimal specificity problems.

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