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## 32-13585: HCV Fusion

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| **Alternative Name :** | HCV is a small 50nm, enveloped, single-stranded, positive sense RNAvirus 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). |

## Description

Source: Escherichia Coli.
Sterile filtered colorless solution.
HCV is a small 50nm, enveloped, single-stranded, positive sense RNAvirus 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).
Recombinant HCV Fusion protein produced in E.Coli containing HCV core (120 a.a.), HCV NS3 (226 a.a.), HCV NS4 (3 epitopes) and HCV NS5 region (3 epitopes) having a total Mw of 65kDa.HCV Fusion protein is purified by proprietary chromatographic techniques.

## Product Info

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| **Amount :** | 100 µg / 0.5 mg |
| **Purification :** | Greater than 95.0% as determined by SDS-PAGE. |
| **Content :** | Sterile filtered solution containing 1x PBS and 50mM K2CO3. |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. |

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***