

32-13586: HCV NS3 47.8kDa

Alternative Name :

HCV is a small 50nm, 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).

Description

Source: Escherichia Coli.

Sterile Filtered White lyophilized (freeze-dried) powder.

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Recombinant HCV NS3 Genotype 1a produced in E.coli is a non-glycosylated polypeptide chain having a molecular mass of 47.8kDa and fused to a His tag at N-terminus.

Product Info

Amount : 100 µg / 0.5 mg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Lyophilized from 1mg/ml in 20mM sodium carbonate pH-9.6.

Content : It is recommended to reconstitute the lyophilized HCV NS3 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Storage condition : HCV NS3 although stable at room temperature for 4 weeks, should be stored below -18°C. Please prevent freeze thaw cycles.