9051 Mira Mesa Blvd, #910094
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HCV NS3 47.8kDa

Hepatitis C Virus NS3 47.8kDa Recombinant
VAG0243

Product Overview

Name	HCV NS3 47.8kDa

Description

Hepatitis C Virus NS3 47.8kDa Recombinant

Introduction

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).

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

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

Stability

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

Purity

Greater than 95.0% as determined by SDS-PAGE.

Solubility

It is recommended to reconstitute the lyophilized HCV NS3 in sterile 18M-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

HCV NS3 47.8kDa is for research use only and not for use in diagnostic or therapeutic procedures.

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