Product Data Sheet

Product Name:	HCV NS4 a+b
Cat. No.:	GP25285
Batch No.:	1

Product Data

Purity	>98%	Source	
Phycical Appearance	solid	Shipping Condition	
Amino Acid Sequence	1658 TWVLVGGVLAALAAYCLSTGCVVIVGRVVLSGKPAIIPDREVLYREFDEMEECSQHLPYIEQGMMLAEQFKQKALGLLQTASRQAEVIAPAVQTNWQKLE 1863.		

Formulation20mM Tris-HCl pH 8, 8M urea.

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).

Stability

HCV NS4 a+b although stable at 4°C for 1 week, should be stored below -18°C .Please prevent freeze thaw cycles.

Background

The E.coli derived 19 kDa recombinant protein contains the HCV NS4 immunodominant regions, amino acids 1658-1863. The protein is fused with b-galactosidase (114 kDa) at N-terminus, pI 5.45.

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