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## Product Data Sheet

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Product Name: HCV Core 16.8kDa  
Cat. No.: GP25248  
Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	HCV Corecontaining PBS, pH-7.4.		

### Introduction

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).

### Stability

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

### Background

Recombinant HCV Core produced in E.coli is a non-glycosylated polypeptide chain having a molecular mass of 16.8 kDa and fused to a His tag at N-terminus.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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