

RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet

Recombinant Hepatitis C Virus Nucleocapsid (core) Genotype-1a

Catalog No.

228-10633

Source

E.coli

Synonyms

HBGH-2, HBGF-2, Prostatropin, FGF-2, FGB-b.

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).

Description

The *E.coli* derived recombinant protein contains the HCV core nucleocapsid immunodominant regions, amino acids 2-119.

Purification Method

HCV Core Genotype-1a protein was purified by proprietary chromatographic technique.

Purity

HCV Core Genotype-1a protein is >95% pure as determined by 10% PAGE (coomassie staining).

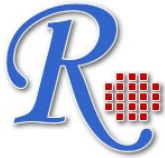
Formulation

50mM Tris-HCl, pH-8, 60mM NaCl, 10mM glutathione, 0.25% sarkosil & 50% glycerol.

Storage

HCV Core Genotype-1a protein is shipped at ambient temperature.
Upon arrival, Store at -20°C.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Stability

Five years frozen. One month in solution at room temperature.

Specificity

Immunoreactive with sera of HCV-infected individuals.

Applications

HCV Core Genotype-1a antigen is suitable for ELISA and Western blots, excellent antigen for detection of HCV with minimal specificity problems.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**