Product Data Sheet

Product Name:	HCV Core 22kDa
Cat. No.:	GP25249
Batch No.:	1

Product Data

Purity	>98%	Source	
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Amino Acid Sequence	mstnpkpqrk tkrntnrrpq dvkfpgvgqi vggvyllprr gprlgvratr ktsersqprg rrqpipkarr pegrtwaqpg ypwplygneg cgwagwllsp rgsrpswgpt dprrrsrnlg kvidtltcgf adlmgyiplv gaplggaara lahgvrvled gvnyatgnlp gcsfsiflla llscltvpa		
Formulation	20mM Tris HCl pH-8, 8M urea and 10mM b-mercaptoethanol.		

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-Corealthough stable at 4°C for 1 week, should be stored below -18°C .Please prevent freeze thaw cycles.

Background

The E.coli derived recombinant protein contains the HCV core nucleocapsid genotype 1b, immunodominant regions, amino acids 2-192, 22kDa.The protein is fused with b-galactosidase (114 kDa) at N-terminus.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA