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Datasheet for ABIN621534

HCV Core Protein Protein (AA 2-192) (beta-Gal)

Overview

Quantity:	500 µg
Target:	HCV Core Protein (HCV C)
Protein Characteristics:	AA 2-192
Origin:	Hepatitis C Virus (HCV)
Host:	Please inquire
Protein Type:	Recombinant
Purification tag / Conjugate:	This HCV Core Protein protein is labelled with beta-Gal.
Application:	Western Blotting (WB), ELISA

Product Details

Sequence:	mstnkpqrk tkrntnrrpq dvkfpvggqi vggvylpr gprlgvratr ktsersqprg rraqipkarr pegrtwaqpg ypwplygneg cgwagwillsp rgsrpswgpt dprrrsrnlq kvitltcgf adlmgyiplt gaplgaara lahgvrled gvnyatgnlp gcsfsiflla llscltvp.
Specificity:	Immunoreactive with sera of HCV-infected individuals.
Characteristics:	Recombinant Hepatitis C Virus Nucleocapsid (core) 22 kDa
Purification:	HCV-Core protein was purified by proprietary chromatographic technique.
Purity:	> 95 % pure as determined by 10 % PAGE (coomassie staining).

Target Details

Target:	HCV Core Protein (HCV C)
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Target Details

Abstract: [HCV C Products](#)

Target Type: Viral Protein

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

Application Details

Application Notes: HCV-Core Antigen is suitable for ELISA and Western blots, excellent antigen for detection of HCV with minimal specificity problems.

Restrictions: For Research Use only

Handling

Buffer: 20mM Tris Hcl pH-8, 8M urea and 10mM beta-mercaptoethanol.

Storage: -20 °C