ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Cat # HNS37-R

Recombinant (E. coli) Hepatitis C Virus (HCV) NS3 1a helicase protein (full lengthc33c) immunodominant regions (soluble)

Size: 100 ug

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

Form and Storage

The E.coli derived, purified (>95%) recombinant protein is a gull length HCV NS31a9c33c) immunodominant regions. It is supplied in 50 mM NaPi buffer, pH 8.3, 10 mM DTT at 1 mg/ml (or see lot sp. conc on the vial). Store at -20oC for long terms usage I suitable size aliquots. Do not freeze and thaw.

SPECIFICITY:
Immunoreactive with sera of HCV-infected individuals.

Usage:
This item is for LABORATORY ESEARCH USE ONLY.

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Alpha Diagnostic Intl Inc., 6203 Woodlake Center Dr, San Antonio, TX 78244, USA; **Email**: service@4adi.com
☎ (800) 786-5777; (210) 561-9515; **Fax**: (210) 561-9544; **Web Site**: www.4adi.com