www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

HCV NS5B

Description: The E.coli derived recombinant protein contains the full length of the NS5B immunodominant regions Genotype 1B and fused to a 6xHis tag at C-Terminus.

Catalog #:HCPS-276

Purity: Protein is >95% pure as determined by SDS-PAGE.

For research use only.

Purification Method:

HCV NS5B Genotype-1b protein was purified by proprietary chromatographic technique.

Specificty:

Immunoreactive with sera of HCV-infected individuals.

Formulation:

1.5M urea, 25mM Tris-HCl pH 8.0, 0.2% Triton-X and 50% Glycerol.

Stability:

HCV NS5B although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Applications:

HCV NS5B antigen in ELISA and Western blots, excellent antigen for detection of HCV with minimal specificity problems.

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).

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