Recombinant Hepatitis C Virus HCVgp1 protein, His-tagged

Cat. No. HCVgp1-158H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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.
Species	HCV
Source	E.coli
Description	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	1.5M urea, 25mM Tris-HCl pH 8.0, 0.2% Triton-X and 50% Glycerol.
Purity	Protein is >95% pure as determined by SDS-PAGE.
Applications	HCV NS5B antigen in ELISA and Western blots, excellent antigen for detection of HCV with minimal specificity problems.

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Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	HCV NS5B although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Specificity	Immunoreactive with sera of HCV-infected individuals.
Shipping	Ice Packs
Full Length	Full L.

GENE INFORMATION

Gene Name	HCVgp1 polyprotein [Hepatitis C virus]
Official Symbol	HCVgp1
Synonyms	polyprotein; core protein; E1 protein; E2 protein; p7 protein; NS2 protein; NS3 protease/helicase; NS4A protein; NS4B protein; NS5A protein; NS5B RNA-dependent RNA polymerase; HCVgp1
Gene ID	951475
Protein Refseq	NP_671491.1

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