

HCV NS3 His

Description: The E.coli derived recombinant protein contains a total of 268 amino acids having a Mw of 27.9 kDa. The protein contains the HCV NS3 immunodominant regions, amino acids 1225-1456. The HCV NS3 protein is fused to a 36 His Tag at N-terminus and purified by standard chromatography techniques.

Catalog #:HCPS-274

For research use only.

Amino Acid Sequence: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSAHL
HAPTGSKGST KVPAAAYAAQG YKVLVLNPSV AATLGFGAYM SKAHGVDPNI RTGVRTITTG
SPITYSTY GK FLADGGCSGG AYDIICDEC HSTDATSILG IGTVLDAQET AGARLVVLAT
ATPPGSVTVS HPNIEEVALS TTGEIPFYGK AIPLEVIKGG RHLIFCHSKK KCDELAALKV
ALGINAVAYY RG

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

Formulation:

HCV NS3 in 20mM Tris-HCl pH-8, 1mM DTT & 10% Glycerol.

Stability:

HCV-NS3 His 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 drugs, agricultural or pesticidal products, food additives or household chemicals.

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).

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