
Product Data Sheet

Product Name: HCV NS3 His
 Cat. No.: GP25277
 Batch No.: 1

Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Amino Acid Sequence
 MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSVAHL
 HAPTGSQKST KVPAAAYAAQG YKVLVLNPSV AATLGFAYM SKAHGVDPNI
 RTGVRTITTG SPITYSTYQK FLADGGCSGG AYDIICDEC HSTDATSILG
 IGTVLDQAET AGARLVVLT ATPPGSVTVS HPNIEEVALS TTGEIPFYGK
 AIPLEVIKGG RHLIFCHSKK KCDELAALKV ALGINAVAYY RGLDVSVIPT
 SGDVVVSTD ALMTGFTGDF DSVIDCNT.

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

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).

Stability

HCV-NS3 His although stable at 4°C for 1 week, should be stored below -18°C . Please prevent freeze thaw cycles.

Background

The E.coli derived recombinant protein contains a total of 268 amino acids having a Mw

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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