9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HCV NS3 His

Hepatitis C Virus NS3 Recombinant, His Tag
VAG0258

Product Overview

Name	HCV NS3 His

Description

Hepatitis C Virus NS3 Recombinant, His Tag

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).

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.

Purity

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

Amino acid sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS VAHL HAPTGSGKST KVPAAYAAQG YKVLVLNPSV AATLGFGAYM SKAHGVDPNI RTGVRTITTG SPITYSTYGK FLADGGCSGG AYDIIICDEC HSTDATSILG IGTVLDQAET AGARLVVLAT ATPPGSVTVS HPNIEEVALS TTGEIPFYGK AIPLEVIKGG RHLIFCHSKK KCDELAAKLV ALGINAVAYY RGLDVSVIPT SGDVVVVSTD ALMTGFTGDF DSVIDCNT.

Precautions

HCV NS3 His is for research use only and not for use in diagnostic or therapeutic procedures.