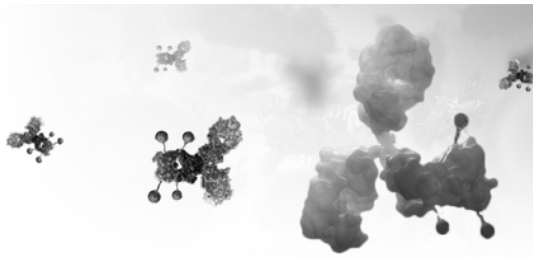

Recombinant Hepatitis C virus (subtype 1B) Non Structural Protein 3 (a.a. 1007-1534) [His] (DAGC051)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Recombinant Hepatitis C virus NS3 is expressed in E. coli as a monomeric, non-glycosylated polypeptide chain consisting of 538 amino acids with a molecular mass of 56600 Da. The product represents amino acids 1007 to 1534 of the HCV polyprotein, covering the serine protease domain as well as the major part of the helicase domain.
Species	HCV
Purity	98%, analysed by SDS-PAGE (reducing and non-reducing) followed by Coomassie-Blue staining and immunoprobing of Western blotted proteins with anti-E.coli serum (DAKO)
Conjugate	Unconjugated
Molecular Weight	56.6 kDa
Format	Liquid
Buffer	Antigen specific solution, contains either 8M Urea + 2mM DTE or 0.1% SDS.
Preservative	None
Storage	At -80°C 10 years from the date of production. Avoid repeated freeze-thaw cycles

BACKGROUND

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

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	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).
Keywords	Hepatitis C virus Non Structural Protein 3; HCV; HCV NS3; HCV NS-3

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