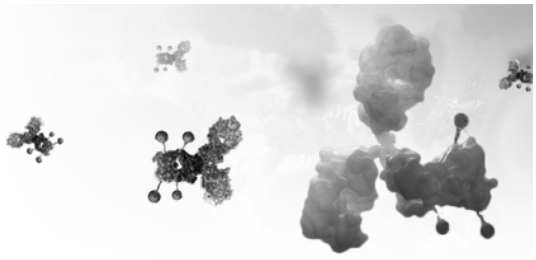

Recombinant HCV type 3 Nonstructural Protein 3 (a.a. 1192-1459) [GST] (DAG2721)

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

PRODUCT INFORMATION

Product Overview	The E. coli derived recombinant protein contains the HCV NS3 immunodominant regions, amino acids 1192-1459. The protein is fused to a GST tag at N-Terminus.
Specificity	Immunoreactive with sera of HCV-infected individuals.
Species	HCV
Purity	HCV NS3 Genotype-1b protein was purified by proprietary chromatographic technique. HCV NS3 Genotype-1b protein is > 95% pure as determined by 10% PAGE (coomassie staining).
Conjugate	GST
Applications	HCV NS3 Genotype-1b antigen is suitable for ELISA and Western blots, excellent antigen for detectionof HCV with minimal specificity problems.
Preservative	None
Storage	2-8°C short term, -20°C long term

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 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

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	interferon-based treatment than are the other genotypes (2, 3, 5 and 6).
Keywords	HCV NS3 transactivated protein; NS 3; NS3; NS3P; p70; Serine protease/NTPase/helicase; Hepatitis C Virus NS3; Flaviviridae; Hepacivirus; Hepatitis C virus; HCV NS-3

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