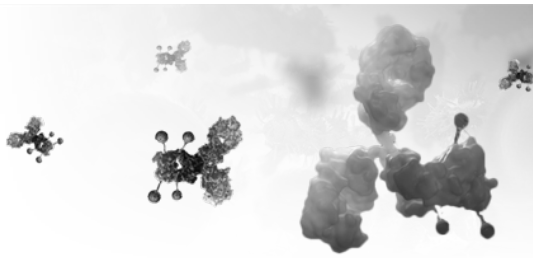

# Recombinant HCV Nonstructural Protein 4 [GST] (DAG536)

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

## PRODUCT INFORMATION

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| **Product Overview** | Recombinant Hepatitis C Virus antigen (66 kDa), contains an artificial mosaic polypeptide composite constructed from fragments of the NS-4 immunodominant region of 11 different HCV genotypes and a GST fusion partner, was expressed in E. coli, and puried i |
| **Species** | HCV |
| **Purity** | > 95% pure (10% PAGE coomassie staining). S-Sepharose and Ceramic Hydroxyapatite and Affinity purification |
| **Conjugate** | GST |
| **Applications** | Suitable for use in ELISA and Western blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. |
| **Molecular Weight** | 66 kDa |
| **Format** | Purified, Liquid |
| **Concentration** | 1 mg/ml |
| **Size** | 1 mg |
| **Buffer** | 8M urea, 20mM TRIS, pH 9.0 containing 10mM DTT, 1mM EDTA and 0.5% Tween-20 |
| **Preservative** | None |
| **Storage** | 2-8°C short term, -20°C long term |

## BACKGROUND

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| **Introduction** | The hepatitis C virus (HCV) core protein represents the first 191 amino acids of the viral precursor polyprotein and is cotranslationally inserted into the membrane of the endoplasmic reticulum. Hepatitis C virus (HCV) core is a viral structural protein; it also participates in some cellular processes, including transcriptional regulation. However the mechanisms of core-mediated transcriptional regulation remain poorly understood. Hepatitis C virus (HCV) core protein is thought to contribute to HCV pathogenesis through its interaction with various signal transduction pathways. In addition, HCV core antigen is a recently developed marker of hepatitis C infection. The HCV core protein has been previously shown to circulate in the bloodstream of HCV-infected patients and inhibit host immunity through an interaction with gC1qR. |
| **Keywords** | HCV; HCV NS4; Hepatitis C Virus nonstructural antigen 4; Non structural protein 4A; Non structural protein 4B; NS4A; NS4B; Flaviviridae; Hepacivirus; Hepatitis C virus; p27; p8; Hepatitis C Virus NS4 |

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