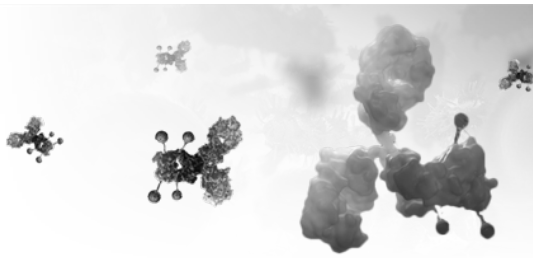

Recombinant HCV type 2b Nonstructural Protein 5 (a.a. 2212-2313) [GST] (DAG2354)

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 NS5 Genotype 2a immunodominant regions, amino acids 2212-2313. The protein is fused to a GST tag at N-terminus.
Antigen Description	NS5 (non structural protein 5) may play a role in the viral RNA replication of the Hepatitis C Virus. NS5A is a ~56 kDa pleiotropic protein with key roles in both viral RNA replication and modulation of the physiology of the host cell. It''s exact role is not currently known (2008). NS5B (non-structural protein 5B) is an RNA-dependant RNA polymerase responsible for replication of the hepatitis C viral genome, and is currently a principal target for chemotherapeutic inhibition of HCV replication
Species	HCV
Purity	> 95%, based on SDS PAGE
Conjugate	GST
Applications	WB standard, antibody ELISA, immunogen, etc.
Format	Each vial contains 100 µg of lyophilized protein in 1.5M urea, 25 mM Tris-HCl, pH-8, 0.2% Triton-X 50% Glycerol.
Concentration	N/A
Size	100 µg, 500 µg
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

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Introduction	Hepatitis C Virus is a positive, single stranded RNA virus in the Flaviviridae family. The genome is approximately 10, 000 nucleotides and encodes a single polyprotein of about 3, 000 amino acids. The polyprotein is processed by host cell and viral proteases into three major structural proteins and several non structural proteins necessary for viral replication. Several different genotypes of HCV with slightly different genomic sequences have since been identified that correlate with differences in response to treatment with interferon alpha.
Keywords	HCV NS5; Hepatitis C virus non structural protein 5; Hepatitis C virus nonstructural protein 5; Hepatitis C Virus NS5; HCV NS5 Genotype 2a; Hepatitis C Virus NS5 Genotype 2a

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