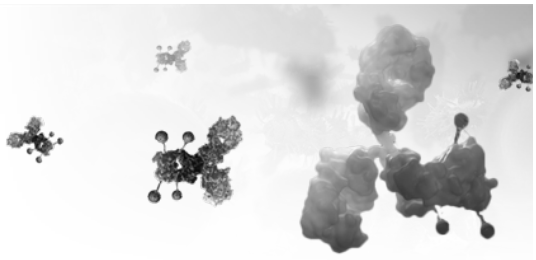

Recombinant HCV type 1b Nonstructural Protein 3 (DAG-P2757)

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

PRODUCT INFORMATION

Product Overview	Hepatitis C Virus Hepatitis Virus Genotype 1b NS3 protein fragment
Antigen Description	The polyprotein is processed by host cell and viral proteases into three major structural proteins including NS3, and several non-structural proteins necessary for viral replication. The NS3 part of the polyprotein displays three enzymatic activities: serine protease, NTPase and RNA helicase. The NS3 serine proteinase (NS3P) is a non-structural hepatitis C protein responsible for proteolytic processing of other non-structural proteins; because of this, it is also the most extensively studied protein of the Hepatitis C genome. It is responsible for proteolytic processing of the entire downstream region of the HC polyprotein, catalyzing cleavage at the NS3/NS4a, NS4a/NS4b, NS4b/NS5a, and NS5a/NS5b sites to release the mature NS3, NS4a, NS4b, NS5a, and NS5b proteins.For proper function, NS3 requires NS4a as a cofactor, but, interestingly enough, NS3 also cleaves the NS4a protein.
Species	HCV
Purity	> 95 % by SDS-PAGE.This antigen is purified by a proprietary chromatographic technique.
Conjugate	Unconjugated
Applications	WB ELISA
Format	Liquid
Buffer	Preservative: None Constituents: 8mM DTT, 50mM Sodium phosphate, pH 8.3
Preservative	None
Storage	Store at -20°C. Preservative: None Constituents: 8mM DTT, 50mM Sodium phosphate, pH 8.3

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 protease
Keywords	Hepatitis Virus Genotype 1b NS3; HCV Genotype 1b NS3

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