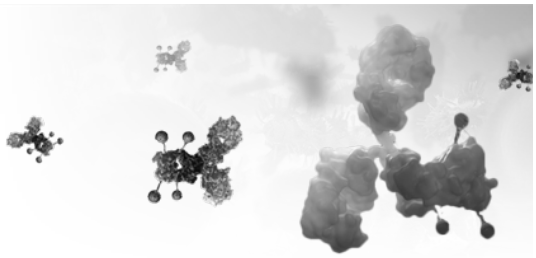

Recombinant HCV Nonstructural Protein 4A, B (a.a. 1658-1863) [Biotin] (DAG1424)

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

PRODUCT INFORMATION

Product Overview	Recombinant HCV NS4 Biotin labeled protein containing amino acids 1658-1863 was expressed in E. coli and purified by proprietary chromatographic technique.
Antigen Description	NS4B is a small (27 kDa) hydrophobic integral membrane protein with 4 transmembrane domains. It is located within the endoplasmic reticulum and play an important role for recruitment of other viral proteins. It induces morphological changes to the endoplasmic reticulum forming a structure termed the membranous web.
Species	HCV
Purity	> 95% pure as determined by 10% PAGE (coomassie staining).
Conjugate	Biotin
Applications	HCV NS4 a+b Biotin antigen in ELISA and Western blots, excellent antigen for detection of HCV with minimal specificity problems.
Size	100 µg, 500 µg, 1 mg
Buffer	20mM Tris-Hcl pH 8, 8M urea and 10mM B-ME.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	HCV is a positive, single-stranded RNAvirus in the Flaviviridae family. The genome is approximately 10, 000nucleotides and encodes a single polyprotein of about 3, 000 amino

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	acids.HCVis responsible for a large proportion of worldwide chronic viral hepatitides.Most of these infections develop into chronic hepatitis, which oftenprogresses to liver cirrhosis and hepatocellular carcinoma. At present, (unlike hepatitis A and B), there is no vaccine to prevent hepatitis Cinfection.The hepatitis C virus (HCV) nonstructural protein 4B (NS4B) is arelatively hydrophobic 27-kDa protein. The 4A protein has a molecular weight of 6 kDa.
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; HCV NS4 Genotype 5; Hepatitis C Virus NS4 Genotype 5

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