

Product datasheet

Recombinant Hepatitis C Virus NS3 protein (Biotin) ab68047

概述

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| 产品名称 | 重组丙型肝炎病毒NS3蛋白(Biotin) |
| 蛋白长度 | Protein fragment |

描述

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| 性质 | Recombinant |
| 来源 | Escherichia coli |
| 氨基酸序列 | |
| 氨基酸 | 1450 to 1643 |
| 额外的序列信息 | The E.coli derived recombinant Biotin Labeled protein contains the HCV NS3 immunodominant regions. The Biotin labeled protein is fused with b-galactosidase (114 kDa) at N-terminus. |
| 偶联物 | Biotin |

技术指标

Our [Abpromise guarantee](#) covers the use of **ab68047** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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| 生物活性 | ab68047 is immunoreactive with sera of HCV-infected individuals. |
| 应用 | Western blot ELISA |
| 纯度 | > 95 % SDS-PAGE. ab68047 was purified by a proprietary chromatographic technique. |
| 形式 | Liquid |

制备和贮存

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| 稳定性和存储 | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: None Constituents: 50% Glycerol, 1.5M Urea, 25mM Tris HCl, 1mM EDTA, pH 8.0 This product is an active protein and may elicit a biological response in vivo, handle with caution. |
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常规信息

相关性 HCV 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 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. The molecular weight of the monomer NS3P is 70 kDa.

细胞定位 Endoplasmic reticulum membrane

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