

Recombinant Hepatitis C Virus NS3 protein ab49022

1 References

描述

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| 产品名称 | 重组丙型肝炎病毒NS3蛋白 |
| 生物活性 | Strongly reacts with human HCV positive serum. |
| 纯度 | > 95 % SDS-PAGE. Purity of proteins is evaluated by SDS-PAGE |
| 表达系统 | Escherichia coli |
| 蛋白长度 | Protein fragment |
| 无动物成分 | No |
| 性质 | Recombinant |
| 氨基酸 | 1192 to 1456 |
| 标签 | GST tag N-Terminus |
| 额外的序列信息 | HCV polyprotein (genotype 1B) |

技术指标

Our **Abpromise guarantee** covers the use of **ab49022** 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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| 应用 | ELISA Flow Cytometry SDS-PAGE Western blot |
| 形式 | Liquid |
| 补充说明 | Strongly reacts with human HCV positive serum. Abcam has not and does not intend to apply for the REACH Authorisation of customers' uses of products that contain European Authorisation list (Annex XIV) substances. It is the responsibility of our customers to check the necessity of application of REACH Authorisation, and any other relevant authorisations, for their intended uses. |

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. |
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pH: 7.2

Constituents: 0.2% Triton-X-100, 9% Urea, 0.395% Tris HCl, 50% Glycerol (glycerin, glycerine)

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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