

Product datasheet

Recombinant Hepatitis C Virus NS3 protein ab49022

概述

产品名称	Recombinant丙型肝炎病毒NS3 protein
蛋白长度	Protein fragment

描述

性质	Recombinant
来源	Escherichia coli

氨基酸序列

氨基酸	1192 to 1456
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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.

生物活性 Strongly reacts with human HCV positive serum.

应用 ELISA
Flow Cytometry
SDS-PAGE
Western blot

纯度 > 95 % SDS-PAGE.
Purity of proteins is evaluated by SDS-PAGE

形式 Liquid

补充说明 Strongly reacts with human HCV positive serum.

制备和贮存

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, 0.2% Triton-X, 1.5M Urea, 25mM Tris HCl, pH 8

相关性	<p>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.</p>
细胞定位	Endoplasmic reticulum membrane

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