

Product datasheet

Recombinant Hepatitis C Virus NS3 protein (Biotin) ab68047

概述

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

描述

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.

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

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

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**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

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.cn/abpromise> or contact our technical team.

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