

## Product datasheet

# Recombinant Hepatitis C Virus NS3 protein (Biotin) ab68047

### 概述

产品名称	重组丙型肝炎病毒NS3蛋白(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
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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
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### 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.
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应用	Western blot ELISA
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纯度	> 95 % SDS-PAGE. ab68047 was purified by a proprietary chromatographic technique.
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形式	Liquid
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### 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.

## 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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- Replacement or refund for products not performing as stated on the datasheet
- 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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