

## Product datasheet

# Recombinant Hepatitis C Virus NS5a protein ab180321

1 Image

### Description

---

<b>Product name</b>	Recombinant Hepatitis C Virus NS5a protein
<b>Purity</b>	> 90 % SDS-PAGE. Purified by using conventional chromatography techniques.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>NP_671491</u></b>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Sequence</b>	MGSSHHHHHH SSGLVPRGSH MSLKATCTAN HDSPDAELIE ANLLWRQEMG GNITRVESEN KVVILDSFDP LVAEEDEREV SVPAEILRKS RRFARALPVW ARPDYNPPLV ETWKKPDY
<b>Predicted molecular weight</b>	13 kDa including tags
<b>Amino acids</b>	2210 to 2306
<b>Tags</b>	His tag N-Terminus

### Specifications

---

Our **Abpromise guarantee** covers the use of **ab180321** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE Mass Spectrometry
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

### Preparation and Storage

---

<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 40% Glycerol (glycerin, glycerine), 1.17% Sodium chloride, 0.02% DTT, 0.32% Tris
------------------------------	--

## General Info

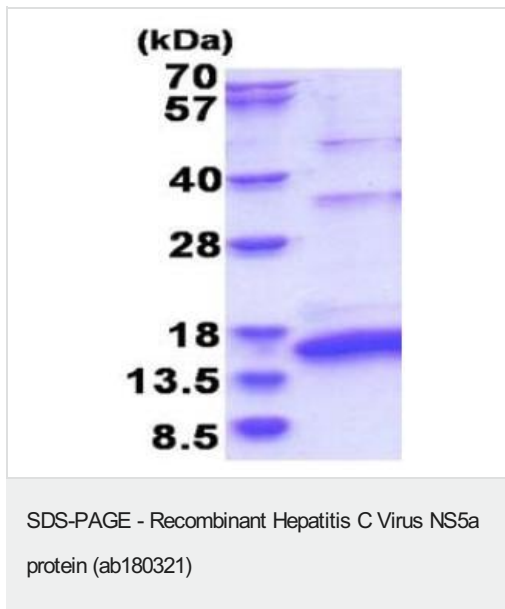
---

### Relevance

HCV is classified into the genus Hepacivirus of the family Flaviviridae. Like all the members of the family, HCV is an enveloped, single-stranded, positive-sense RNA virus. Its genome (about 9600 nt) is flanked at both termini by conserved, highly structured non-translated regions (NTRs) and encodes a polyprotein precursor (about 3000 aa), which is proteolytically processed by host and viral proteases to produce the structural (core, E1, E2 and p7) and non-structural (NS2, NS3, NS4A, NS4B, NS5A and NS5B) proteins of the virus. Recently, an additional protein has been identified, whose function remains unknown. NS5A is a ~56 kDa pleiotropic protein with key roles in both viral RNA replication and modulation of the physiology of the host cell. It's exact role is not currently known (2008).

## Images

---



15% SDS-PAGE analysis of ab180321 (3µg)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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

---

- 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 <https://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors