

Recombinant Hepatitis C Virus NS3 protein ab49022

1 References

製品の詳細

製品名	Recombinant Hepatitis C Virus NS3 protein
生理活性	Strongly reacts with human HCV positive serum.
精製度	> 95 % SDS-PAGE. Purity of proteins is evaluated by SDS-PAGE
発現系	Escherichia coli
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
領域	1192 to 1456
タグ	GST tag N-Terminus
配列の追加情報	HCV polyprotein (genotype 1B)

特性

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.

アプリケーション	ELISA Flow Cytometry SDS-PAGE Western blot
製品の状態	Liquid
備考	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.

前処理および保存

保存方法および安定性	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)

関連情報

関連性

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.

細胞内局在

Endoplasmic reticulum membrane

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