

Recombinant Hepatitis C Virus Core 2a protein ab123482

製品の詳細

製品名	Recombinant Hepatitis C Virus Core 2a protein
生理活性	One unit of protease hydrolyzes 1 picomole of Ac-Asp-Glu-Dap(QXL™520)-Glu-Glu-Abu-COO-Ala-Ser-Cys(5-FAMsp)-NH ₂ per minute at pH 7.5 at 25° C. ab123482 is in active form and the pre-activation by pep4A or pep4AK is not necessary.
発現系	Escherichia coli
アクセッション番号	Q99IB8
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
予測される分子量	29 kDa
領域	1 to 271
タグ	His tag C-Terminus
配列の追加情報	The NS4A co-factor is fused to the N-terminus of the NS3 protease domain.

特性

Our **Abpromise guarantee** covers the use of **ab123482** 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	Functional Studies
製品の状態	Liquid
備考	NS3 protease of hepatitis C virus (HCV), located on the N-terminal domain of HCV NS3 is responsible for the cleavage at the NS3/NS4A, NS4A/NS4B, NS4B/NS5A, and NS5A/NS5B sites of the nonstructural protein. The HCV NS3 is a chymotrypsin-like serine protease. It requires a cofactor, a 54 amino acid NS4 protein, to reach its optimal activity. The X-ray crystal structure studies show that NS3 forms a tight non-covalent complex with NS4.

前処理および保存

保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.75% Potassium chloride, 0.02% DTT, 0.32% Tris HCl, 0.006% EDTA, 20% Glycerol
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This product is an active protein and may elicit a biological response in vivo, handle with caution.

関連情報

関連性

HCV (Hepatitis C Virus) viral core protein forms the internal viral coat that encapsidates the genomic RNA and is enveloped in a host cell-derived lipid membrane. The hepatitis C virus (HCV) core protein represents the first 177 amino acids of the viral precursor polyprotein and is cotranslationally inserted into the membrane of the endoplasmic reticulum. The N terminus of the core protein is involved in transcriptional repression. There are over 20 different subtypes of Hepatitis C Virus; the preponderance and distribution of HCV genotypes varies globally. HCV Genotype information is important because of the role it plays in predicting HCV medical treatment response and treatment duration. Sustained cure rates (sustained viral response) of 75% or better occur in people with genotypes HCV 2 and 3 in 24 weeks of treatment. Genotypes 1a and 1b, the most prevalent worldwide, have the poorest rates of response to the present treatment regimen, which is a combination of pegylated alfa interferon 2b with ribavirin. HCV core protein is among the most conserved proteins in HCV and is known to induce sensitization of cytotoxic T lymphocytes (CTL). Therefore, it is a prime candidate for a component of a potential HCV vaccine.

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

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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
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- 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.co.jp/abpromise> or contact our technical team.

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