

# Native human Factor IX/PTC protein ab81593

[1 References](#) [画像数 1](#)

### 製品の詳細

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製品名	Native human Factor IX/PTC protein
生理活性	<1% Factor IXa activity. Assay is performed to determine percent contaminating IXa activity. IXa activity is based on a IXa standard curve. Chromagenic assay uses Spectrozyme-IXa (American Diagnostica) as substrate. Active site blocked by EGR.
精製度	> 95 % SDS-PAGE.
発現系	Native
タンパク質長	Full length protein
Animal free	No
由来	Native
生物種	Human
領域	47 to 461

### 特性

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Our **Abpromise guarantee** covers the use of **ab81593** 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	SDS-PAGE Functional Studies
製品の状態	Liquid

### 前処理および保存

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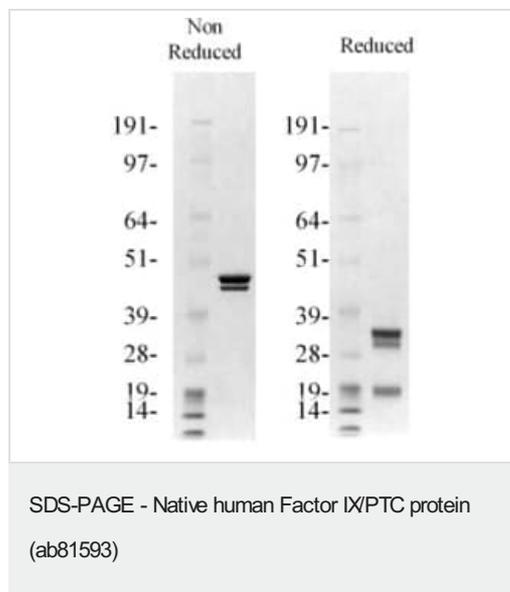
保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.40 Constituents: 0.476% HEPES, 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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### 関連情報

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<b>機能</b>	Factor IX is a vitamin K-dependent plasma protein that participates in the intrinsic pathway of blood coagulation by converting factor X to its active form in the presence of Ca(2+) ions, phospholipids, and factor VIIIa.
<b>組織特異性</b>	Synthesized primarily in the liver and secreted in plasma.
<b>関連疾患</b>	Defects in F9 are the cause of recessive X-linked hemophilia B (HEMB) [MIM:306900]; also known as Christmas disease. Note=Mutations in position 43 (Oxford-3, San Dimas) and 46 (Cambridge) prevents cleavage of the propeptide, mutation in position 93 (Alabama) probably fails to bind to cell membranes, mutation in position 191 (Chapel-Hill) or in position 226 (Nagoya OR Hilo) prevent cleavage of the activation peptide. Defects in F9 are the cause of thrombophilia due to factor IX defect (THR-FIX) [MIM:300807]. A hemostatic disorder characterized by a tendency to thrombosis.
<b>配列類似性</b>	Belongs to the peptidase S1 family. Contains 2 EGF-like domains. Contains 1 Gla (gamma-carboxy-glutamate) domain. Contains 1 peptidase S1 domain.
<b>ドメイン</b>	Calcium binds to the gamma-carboxyglutamic acid (Gla) residues and, with stronger affinity, to another site, beyond the Gla domain.
<b>翻訳後修飾</b>	Activated by factor XIa, which excises the activation peptide. The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.
<b>細胞内局在</b>	Secreted.

## 画像



Novex 4-12% Bis-Tris

1 µg per lane

MOPS

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

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