

## Product datasheet

# Natural Human Factor IXa protein ab62455

### 製品の概要

製品名	Natural Human Factor IXa protein
タンパク質長	Full length protein

### 製品の詳細

由来	Native
由来	Native
アミノ酸配列	
生物種	Human

### 特性

Our [Abpromise guarantee](#) covers the use of **ab62455** 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 SDS-PAGE
製品の状態	Liquid
備考	Concentration varies from lot to lot but is between 5-10mg/ml

### 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. Preservative: None Constituents: 50% Glycerol
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### 関連情報

機能	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 <sup>2+</sup> ions, phospholipids, and factor VIIIa.
組織特異性	Synthesized primarily in the liver and secreted in plasma.

<b>関連疾患</b>	<p>Defects in F9 are the cause of recessive X-linked hemophilia B (HEMB) [MIM:306900]; also known as Christmas disease.</p> <p>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.</p> <p>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.</p>
<b>配列類似性</b>	<p>Belongs to the peptidase S1 family.</p> <p>Contains 2 EGF-like domains.</p> <p>Contains 1 Gla (gamma-carboxy-glutamate) domain.</p> <p>Contains 1 peptidase S1 domain.</p>
<b>ドメイン</b>	<p>Calcium binds to the gamma-carboxyglutamic acid (Gla) residues and, with stronger affinity, to another site, beyond the Gla domain.</p>
<b>翻訳後修飾</b>	<p>Activated by factor Xla, which excises the activation peptide.</p> <p>The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.</p>
<b>細胞内局在</b>	<p>Secreted.</p>

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