

## Product datasheet

# Native Human FXI protein ab62538

### Description

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<b>Product name</b>	Native Human FXI protein
<b>Purity</b>	> 95 % Affinity purified. FXI is purified from fresh frozen plasma that is stabilized by added inhibitors. The plasma is first treated with BaCl <sub>2</sub> to remove the vitamin K-dependent proteins, and FXI is then isolated by affinity chromatography. A final chromatography step on heparin sepharose yields a homogeneous preparation of intact FXI.
<b>Expression system</b>	Native
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Native
<b>Species</b>	Human

### Specifications

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Our **Abpromise guarantee** covers the use of **ab62538** 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
<b>Form</b>	Liquid
<b>Additional notes</b>	Previously labelled as Factor XI.

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Constituents: 50% Glycerol, 50% Water  50% H <sub>2</sub> O
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### General Info

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<b>Function</b>	Factor XI triggers the middle phase of the intrinsic pathway of blood coagulation by activating factor IX.
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<b>Tissue specificity</b>	Isoform 2 is produced by platelets and megakaryocytes but absent from other blood cells.
<b>Involvement in disease</b>	Defects in F11 are the cause of factor XI deficiency (FA11D) [MIM:612416]; also known as plasma thromboplastin antecedent deficiency or Rosenthal syndrome. It is a hemorrhagic disease characterized by reduced levels and activity of factor XI resulting in moderate bleeding symptoms, usually occurring after trauma or surgery. Patients usually do not present spontaneous bleeding but women can present with menorrhagia. Hemorrhages are usually moderate.
<b>Sequence similarities</b>	Belongs to the peptidase S1 family. Plasma kallikrein subfamily. Contains 4 apple domains. Contains 1 peptidase S1 domain.
<b>Post-translational modifications</b>	Activated by factor XIIa (or XII), which cleaves each polypeptide after Arg-387 into the light chain, which contains the active site, and the heavy chain, which associates with high molecular weight (HMW) kininogen.
<b>Cellular localization</b>	Secreted.

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

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