

Product datasheet

Native Human Factor XIa protein ab62411

Description

Product name	Native Human Factor XIa protein
Purity	> 95 % Immunogen affinity purified. Factor XIa was prepared by activating purified factor XI with factor XIIa. Following activation, the mixture is passed over a column of immobilized anti-factor XII to remove the factor XIIa, and further purified on heparin-Sepharose. Purity is assessed by SDS PAGE analysis.
Expression system	Native
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Human

Specifications

Our **Abpromise guarantee** covers the use of **ab62411** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Constituents: 50% Glycerol, 50% Water
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General Info

Function	Factor XI triggers the middle phase of the intrinsic pathway of blood coagulation by activating factor IX.
Tissue specificity	Isoform 2 is produced by platelets and megakaryocytes but absent from other blood cells.
Involvement in disease	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.

Sequence similarities

Belongs to the peptidase S1 family. Plasma kallikrein subfamily.
Contains 4 apple domains.
Contains 1 peptidase S1 domain.

Post-translational modifications

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.

Cellular localization

Secreted.

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