

Product datasheet

Native human Factor Xa ab62229

[2 References](#) [1 Image](#)

Description

Product name	Native human Factor Xa
Biological activity	Specific activity is ~1000 units/mg.
Purity	> 95 % SDS-PAGE.
Expression system	Native
Protein length	Full length protein
Animal free	No
Nature	Native
Species	Human
Predicted molecular weight	46 kDa
Description	Native human Factor Xa protein

Specifications

Our **Abpromise guarantee** covers the use of **ab62229** 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

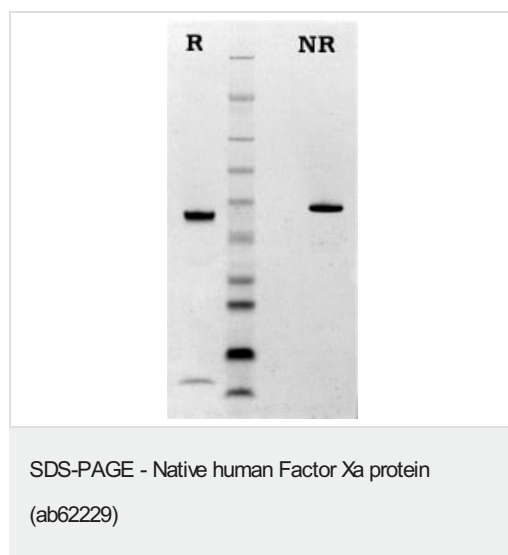
Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. Constituent: 50% Glycerol This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function	Factor Xa is a vitamin K-dependent glycoprotein that converts prothrombin to thrombin in the presence of factor Va, calcium and phospholipid during blood clotting.
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Tissue specificity	Plasma; synthesized in the liver.
Sequence similarities	<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>
Post-translational modifications	<p>The vitamin K-dependent, enzymatic carboxylation of some glutamate residues allows the modified protein to bind calcium.</p> <p>N- and O-glycosylated.</p> <p>The activation peptide is cleaved by factor IXa (in the intrinsic pathway), or by factor VIIa (in the extrinsic pathway).</p> <p>The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.</p>
Cellular localization	Secreted.

Images



Novex 4-12% Bis-Tris
1 µg per lane
MES

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

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