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Factor X, Human Plasma recombinant protein

Stuart factor, Stuart-Prower factor
Catalog # PBV11264r

Specification

Factor X, Human Plasma recombinant protein - Product info

Primary Accession	P00742
Calculated MW	**58.8 kDa KDa**

Factor X, Human Plasma recombinant protein - Additional Info

Gene ID	**2159**
Gene Symbol	**F10**
Other Names	
Stuart factor, Stuart-Prower factor	
Gene Source	**Human**
Source	**Human Plasma**
Assay&Purity	**SDS-PAGE; ≥95%**
Assay2&Purity2	**N/A;**
Recombinant	**No**
Results	**Lot dependent**
Target/Specificity	
Factor X	

Format
Liquid

Storage
-80°C; In 20 mM Tris-HCl, 0.1 M NaCl, 1 mM Benzamidine pH 7.4.

Factor X, Human Plasma recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Factor X, Human Plasma recombinant protein - Images

Factor X, Human Plasma recombinant protein - Background

Factor X is a vitamin K-dependent protein zymogen which is synthesized in the liver and circulates

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in plasma as a two chain molecule linked by a disulfide bond. Prior to secretion into plasma, post-translational modifications produce 11 gamma-carboxyglutamic acid (gla) residues and a single b-hydroxyaspartic acid residue, which are located within the NH2-terminal light chain. The light chain also contains two epidermal growth factor (EGF) homology domains. The COOH-terminal heavy chain of factor X contains most of the carbohydrate moieties, as well as the latent serine protease domain. The activation of factor X is catalyzed by either the intrinsic factor Xase complex (factor IXa, factor VIIIa, cellular surface and calcium ions) or the extrinsic factor Xase complex (factor VIIa, tissue factor, cellular surface and calcium ions).

Factor X, Human Plasma recombinant protein - References

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