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# Factor XII, Human Plasma
**Stuart factor, Stuart-Prower factor**
**Catalog # PBV11266r**

## Specification

### Factor XII, Human Plasma - Product info

| | |
|---|---|
| Primary Accession | P00748 |
| Calculated MW | **80.00 kDa KDa** |

### Factor XII, Human Plasma - Additional Info

| | |
|---|---|
| Gene ID | **2161** |
| Gene Symbol | **F12** |
| **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 XII | |

**Format**
Liquid

**Storage**
-80°C; In 4 mM Sodium Acetate-HCl, 0.15 M NaCl, pH 5.3.

### Factor XII, Human Plasma - 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 XII, Human Plasma - Images

### Factor XII, Human Plasma - Background

Human Factor XII is a single chain glycoprotein with a molecular weight of about 80,000. Once

activated, principally from the action of kallikrein, Factor XII is converted into an active serine protease (Factor α-XIIa) that functions in the in vivo initiation of blood coagulation, fibrinolysis, and kinin formation. Human Factor XII has been purified by ion exchange chromatography.

**Factor XII, Human Plasma - References**

Cool D.E.,et al.J. Biol. Chem. 262:13662-13673(1987).
Schmutz J.,et al.Nature 431:268-274(2004).
Tripodi M.,et al.Nucleic Acids Res. 14:3146-3146(1986).
Cool D.E.,et al.J. Biol. Chem. 260:13666-13676(1985).
Que B.G.,et al.Biochemistry 25:1525-1528(1986).