

## Datasheet for ABIN934835 Prothrombin Protein



[Go to Product page](#)

### Overview

Quantity: 2 mg

Target: Prothrombin (F2)

Origin: Human

Source: Human

Protein Type: Native

Biological Activity: Active

### Product Details

Characteristics: Purified native Human Prothrombin protein  
Bioactivity: 9.7 units/mg protein - One unit of activity is equivalent to the Prothrombin activity in one milliliter of human normal plasma.  
Protein Source: Human serum/plasma

Purity: > 98 % pure

### Target Details

Target: Prothrombin (F2)

Alternative Name: Prothrombin ([F2 Products](#))

Background: Prothrombin is a vitamin K-dependent plasma protein which is synthesized in the liver. Prior to secretion into plasma, prothrombin undergoes post-translational modification by a vitamin K-dependent carboxylase which converts ten specific glutamic acid residues to gamma-carboxyglutamic acid (gla). The ten gla residues are located within the first 40 amino acids of the mature protein and contribute to the ability of prothrombin to bind to negatively charged

## Target Details

---

phospholipid membranes.

Description: Human serum/plasma.

---

Molecular Weight: 72 kDa

---

Pathways: [Complement System](#), [Peptide Hormone Metabolism](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

---

## Application Details

---

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

---

Restrictions: For Research Use only

---

## Handling

---

Format: Liquid

---

Buffer: Supplied as a liquid with 50 % Glycerol/H<sub>2</sub>O (vol/vol).

---

Precaution of Use: Donor samples were tested and found to be negative for anti-HIV-1/2, HIV-1 antigen(s), HBsAg, STS, anti-HCV, anti-HBcore and anti-HTLV I & II. Nonetheless caution should be used when handling this material as there is a margin of error in all tests.

---

Handling Advice: Avoid repeated freeze/thaw cycles.

---

Storage: -20 °C

---

Storage Comment: Aliquot and store at -20 °C.

---