

## 32-13791: Prothrombin Bovine

**Alternative Name :** Coagulation factor II, Prothrombin, F2.

### Description

Source: Bovine Plasma.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Biological Activity: null

Prothrombin produced in the liver is a vitamin K-dependent plasma protein. Before prothrombin is secreted into the plasma it goes through post translational modification by vitamin K-dependent carboxylase. The vitamin K-dependent carboxylase converts prothrombin to 10 glutamic acid residues to gamma carboxyglutamic acid. Prothrombin comprises of 2 kringle regions which are found among residues a.a. 40 & 270 of the mature plasma protein and substitute the growth factor domains located in numerous plasma serine proteases.

Prothrombin bovine native.

### Product Info

**Amount :** 150,000U / 50,000U

**Purification :** null

**Storage condition :** Lyophilized Bovine Prothrombin although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution Prothrombin should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles

### Application Note

It is recommended to reconstitute the lyophilized Bovine Prothrombin in sterile 0.9% NaCl