

Prothrombin-gla domainless (Human)

10.00 mg

Ref#: HF2-GD

Lot#: xxxxxx

Exp. Date: xxxx-xx



Store at +2 to +8°C

For Research Use Only

Not for Use in Diagnostic Procedures

For *in vitro* use only

Description:	Prothrombin-gla domainless (Human)
Format:	Lyophilized in 50 mM Tris-HCl / 0.15 M NaCl / pH 7.8
Host:	Human
Storage:	Store between +2 and +8°C After reconstitution aliquot and freeze at ≤-60°C
Reconstitution:	We recommend hydrating the protein with sterile water to the original volume
Volume:	1 vial containing 1.227 mL
Total Protein:	10.00 mg
Concentration:	8.15 mg/mL before lyophilisation

Human Prothrombin, also known as coagulation Factor II, is a 72 kDa glycoprotein synthesized in the liver and composed of a single polypeptide chain. Prothrombin is the zymogen form of Thrombin. Prothrombin is cleaved to produce Thrombin by the membrane-bound prothrombinase complex (activated Factor X, activated Factor V and Calcium), the concentration in human plasma is about 100 µg/ml (1.4 µM).

The Prothrombin with the gla domain removed is >95% as judged by SDS-PAGE. It shows now reduction upon incubation with 2-mercaptoethanol.

The above protein was purified from Human plasma that was tested and found negative by FDA accepted methods for Anti-HIV 1/2, Anti-HTLV I & II, HBsAg, Anti-HCV, Syphilis, HBC Ab, HIV-1 p24 Ag or HIV-1 RNA, HCV RNA and HBV RNA. Donors are screened for CJD (Creutzfeld-Jakob Disease).