

Contribution of the propeptide to Vitamin K-Dependent (VKD) carboxylation of coagulation factors

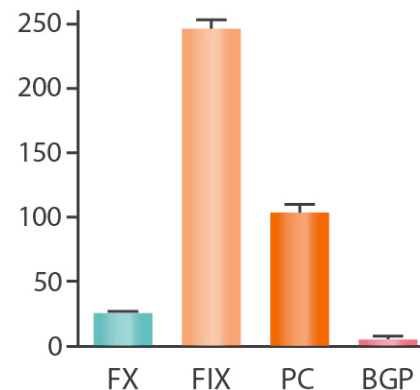
Gamma-glutamyl carboxylase (GGCX)



Propeptides with different affinities for GGCX



Carboxylated FIXgla-PC (ng/ml)



- FIX's propeptide is the most efficient propeptide for reporter-protein carboxylation
- The optimal affinity of FIX's propeptide for GGCX balances the rate of carboxylation and product releasing