

Prekallikrein (Human)

1.00 mg

Ref#: HPK

Lot#: xxxxxx

Exp. Date: xxxx-xx

Store at -60 to -80°C

For Research Use Only

Not for Use in Diagnostic Procedures

For *in vitro* use only

| | |
|--------------------------|-------------------------------------------------------------------------|
| Description: | Prekallikrein (Human) |
| Format: | Frozen in 4 mM sodium acetate-HCl / 0.1 M NaCl / pH 5.4 |
| Host: | Human |
| Storage: | Store between -60 and -80°C |
| Volume: | 1 vial containing 0.870 mL |
| Total Protein: | 1.00 mg |
| Concentration: | 1.15 mg/mL by Absorbance; Extinction Coefficient $E^{1\%}_{280} = 11.7$ |
| Activity: | 28.00 PEU/mg |
| Molecular weight: | 86.000 daltons |

Plasma Prekallikrein, also known as Fletcher factor, is a 86 kDa serine protease synthesized in the liver and composed of a single chain glycoprotein. In plasma, about 75% is complexed with HMW kininogen and the remaining 25% is free. Prekallikrein is the zymogen form of kallikrein. Prekallikrein is cleaved to produce kallikrein by activated Factor XII (Hageman factor).

The Human Prekallikrein is >95% pure as judged by SDS-PAGE gels and shows complete 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).