

Product Datasheet



Product Description

Product:	Kininogen, Single Chain HMW, Human Plasma
Catalog Number:	IHK-HMW
Description:	HMW kininogen, synthesized by hepatocytes, is a multifunctional protein. It is the precursor protein of bradykinin. In addition it is a nonenzymatic cofactor of the contact activation system of factor XI, XII, and prekallikrein and a major extra-cellular cysteine proteinase inhibitor. Kininogen links prekallikrein to a negatively charged surface thereby allowing activation to kallikrein by surface bound Factor alpha-XIIa. Kininogen also forms a complex with Factor XI and accelerates its activation to XIa by alpha-XIIa. Kininogens inhibit systemic proteases which are thought to have a part in various diseases such as cancer, muscular dystrophy and joint disease. >95percent pure by SDS-PAGE and >95percent single chain. Prepared from plasma found negative by FDA accepted methods for Anti-HIV1/2, 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 (Creutzfeldt-Jakob Disease).
Recommended Storage:	-70 C
Shipping Conditions:	Dry ice
Minimum Shelf Life:	3 years from delivery

Technical Information

Purity:	>95% by SDS-PAGE analysis
Source:	Human plasma
Molecular Weight:	120,000
Extinction Coefficient:	0.701

Sample Characteristics

Lot Number:	IHK-HMW-SAMPLE
Aliquot:	1 x 1.0 mg
Concentration:	2.0 mg/ml
Volume:	0.5 ml
Buffer:	0.004M Sodium Acetate; 0.15M NaCl; pH 5.3
Form:	Frozen liquid

For In Vitro laboratory use only

Innovative Research, Inc. - 46430 Peary Court, Novi, MI 48377, USA - Tel: (888) 660-6866 - Fax: (248) 896-0149 -
helpdesk@innov-research.com