

CHF1

Native Corn Trypsin Inhibitor

Catalog No.	CRT186B CRT186C	Quantity:	1 mg 10 mg
Alternate Names:	Trypsin/factor XlIIa inhibitor, Hageman factor inhibitor, CHF1		
Description:	Corn Trypsin Inhibitor (CTI) is a highly specific inhibitor of trypsin and Factor XlIIa that does not affect Factors VIIa, IXa, Xa, or thrombin. CTI forms a one-to-one molar complex with target proteases and is useful for distinguishing between the intrinsic and extrinsic coagulation cascades. CTI is extracted from high quality sweet corn meal into a physiologic buffer then purified by a combination of gel filtration, ion-exchange, and affinity chromatography. The final CTI preparation appears as a single band by SDS-PAGE analysis under both reducing and non-reducing conditions. Preparations of CTI are tested for the ability to prolong the aPTT assay without affecting the PT assay.		
UniProt ID:	P01088		
Gene ID:	541928		
Source:	<i>Zea mays</i> , sweet corn		
Molecular Weight:	12.5 kDa		
Formulation:	20 mM Tris-HCl, 0.15 M NaCl, pH 7.4		
Purity:	> 95% by SDS-PAGE analysis		
Concentration:	> 1 mg/ml, lot specific		
Specific Activity:	>10 U/mg, 1 unit is defined as the amount of CTI required to double the aPTT of normal human plasma.		
Storage & Stability:	Store at -80°C for up to 1 year. Upon initial thaw, prepare working aliquots and store at -80°C. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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