

Corn Trypsin Inhibitor

1.00 mg



Ref#: CTI
Lot#: xxxxxx
Exp. Date: xxxx-xx

For Research Use Only
Not for Use in Diagnostic Procedures
For *in vitro* use only

Description:	Corn Trypsin Inhibitor
Format:	Lyophilized in 20 mM Tris-HCl / 0.3 M NaCl / pH 8.2
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 0.926 mL
Total Protein:	1.00 mg
Concentration:	1.08 mg/mL before lyophilisation by BCA
Activity:	41.70 U/mg (one unit is defined as the amount of CTI required to double aPTT of normal human plasma)
Molecular weight:	14000 daltons

Corn Trypsin Inhibitor (CTI) with a molecular weight of 14 kDa is a specific and potent inhibitor of human factor XIIa. It is purified from fresh sweet corn by solvent extraction and chromatographic methods. A suggested inhibitory concentration is 24-fold molar excess over the enzyme concentration. CTI is >94% pure as determined by SDS-PAGE and shows no reduction upon incubation with 2-mercaptoethanol.