

Recombinant Corn Hageman Factor Inhibitor

Cat. No. LOC100101522-2465Z **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Corn Hageman factor inhibitor was expressed in <i>Corn</i> . MW=12.5 KDa.
Source	Corn
Description	To begin the purification process, CTI is extracted from the kernels of fresh sweet corn into a physiologic buffer. The extract is then de-fatted using acetone, and the protein is further purified by employing gel filtration and ion-exchange chromatography. The final CTI preparation appears as a single band by SDS-PAGE analyses 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. The specific activity of each lot of CTI is determined, and one unit is defined as the amount of CTI required to double the aPTT of normal human plasma.
Concentration	4.3 mg/ml.
Volume	0.233 ml.
Buffer	0.02 M Tris-HCl; 0.15 M NaCl; pH 7.4.
Form	Frozen liquid.
Specific activity	34.2 U/mg (One inhibitory unit will double the aPTT clot time of 1 ml of normal human plasma).
Shipping Information	Recommended Storage: -70°C; Shipping Conditions: Dry ice; Minimum Shelf Life: 3

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years from delivery.

GENE INFORMATION

Gene Name	LOC100101522 corn Hageman factor inhibitor [Zea mays]
Synonyms	LOC100101522; corn Hageman factor inhibito; trypsin/factor XIIA inhibitor; CHFI; hageman factor inhibitor
Gene ID	100101522
mRNA Refseq	NM_001112762
Protein Refseq	NP_001106233
UniProt ID	P01088

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