

AMBP

Native Human Urinary Trypsin Inhibitor

Catalog No.	CRU107A	Quantity:	2.5 mg
	CRU107B		5 mg
	CRU107C		10 mg

Alternate Names: UTI, Bikunin, Uristatin, Ulinastatin, AMBP, EDC1, HI30, ITIL, IATIL, ITILC, Urinary Trypsin Inhibitor, alpha-1-microglobulin/bikunin precursor

Description: Urinary-Trypsin Inhibitor (UTI) is a glucoprotein proteinase inhibitor that inhibits the activity of trypsin, chymotrypsin, lipase, lactase, hyaluronidase and various pancreatic enzymes. UTI is an effective treatment for acute pancreatitis, chronic recurrent pancreatitis, and hemorrhagic, traumatic, and endotoxic shocks. UTI has a strong inhibitory effect on various proteases and on sugar and fat hydrolases. It is derived from a precursor that is proteolytically processed into alpha-1-microglobulin and UTI, two proteins with distinct functions. UTI belongs to the superfamily of Kunitz-type protease inhibitors and plays an important role in many physiological and pathological processes. High levels of UTI secretion is an early marker of renal tubular involvement. UTI show two bands of approx. 20 kDa and 40 kDa by SDS-PAGE analysis.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

GenelD: 259

Source: Human Urine

Formulation: Lyophilized from a 1 mg/ml solution containing no additives.

Purity: > 98.0% as determined by RP-HPLC and SDS-PAGE.

Biological Activity: Human UTI has an activity of 1000 IU/mg.

Reconstitution: It is recommended to reconstitute the lyophilized UTI in sterile distilled water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Storage & Stability: Lyophilized UTI should be stored desiccated below -20°C. Upon reconstitution, UTI may be stored at 2-4°C for 1 week. For future use, aliquot and store reconstituted protein below -20°C. **Avoid repeated freeze-thaw cycles.**

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