

## KT13

### Soybean Trypsin Inhibitor Immobilized

<b>Catalog No.</b>	CSI20067A	<b>Quantity:</b>	10 ml
	CSI20067B		50 ml

**Alternate Names:** Trypsin inhibitor A, Kunitz-type trypsin inhibitor A

**Description:** Soybean trypsin inhibitor (SBTI) is a reversible competitive inhibitor of trypsin and other trypsin-like proteases such as chymotrypsin, plasmin and plasma kallikrein. It has a MW of 22 kDa and a pI of 4.5. SBTI was immobilized on an agarose resin via coupling to primary amines to create an affinity resin with specificity for a number of serine proteases. SBTI binds free trypsin tighter with increasing pH from 4.5-8.0 that allows for a simple gradient to low pH (~2.5-3.0) for elution.

**Concentration:** P01070

**Source:** Soybean

**Concentration:** 5.0 mg/ml coupled, lot specific

**Molecular Weight:** 22 kDa

**pI:** 4.5

**Formulation:** 1:1 slurry of resin in 0.1 M Tris-HCl, 0.15 M NaCl, 0.02% NaN<sub>3</sub>, pH 7.4

**Purity:** >95% by SDS-PAGE analysis

**Purification:** Chromatographically purified using ion exchange, gel filtration, affinity chromatography then coupled to an agarose support.

**Storage & Stability:** Store at 2-8°C for up to 1 year.

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