CST3
Native Human Cystatin C

Catalog No.	CSI19649A CSI19649B	**Quantity:**	1 mg 3 mg

Alternate Names: Cystatin 3, CST3 ,Gamma trace

Description: Cystatin C is a marker for allograph function in adult transplant patients. Cystatin C regulates extracellular cysteine protease activity, which results from microbial invasion or release of lysosomal proteinases from dying or diseased cells. It is freely filtered by the glomerular basement membrane (GBM) and serum concentration has been shown to correlate well with glomerular filtration rate (GFR).
Human Cystatin C is a small cysteine proteinase inhibitor of molecular weight 13 kDa present in all human body fluids. Human Cystatin C is a serum protein that is filtered out of the blood by the kidneys. Human Cystatin C serves as a measure of kidney function. Human Cystatin C is produced steadily by all types of nucleated cells in the body. Human Cystain C's low molecular mass allows it to be freely filtered by the glomerular membrane in the kidney.Human cystatin C concentration in blood correlates with the glomerular filtration rate.
A high level of Human cystatin C level in the blood after a heart attack reflects the failure of the kidney to clear human cystatin C from the blood into the urine.

Concentration: Typically >1.0 mg/ml

Gene ID: 1471

Source: Human Urine

Molecular Weight: 13 kDa

Formulation: Lyophilized from sodium acetate buffer

Purity: >96% SDS Page

Endotoxin Level: < 0.1 ng/µg of protein

Reconstitution: **Centrifuge vial prior to opening**. Reconstitute in sterile water or other aqueous buffer.

Storage & Stability: Store at 2-4°C.

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