

CST3

Native Human Cystatin C

Catalog No.	CSI19649A CSI19649B	Quantity:	100 µg 1 mg
Alternate Names:	Cystatin-3, CST3 ,Gamma Trace, Neuroendocrine basic polypeptide		
Description:	<p>Human Cystatin C is a serum protein present in all body fluids, 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 Cystatin 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.</p> <p>Cystatin C is a marker for allograft 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).</p> <p>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.</p>		
Gene ID:	1471		
UniProt ID:	P01034		
Source:	Human chronic renal tubular proteinuria urine		
Molecular Weight:	13 kDa		
Formulation:	Lyophilized from 0.02 M ammonium bicarbonate		
Purity:	> 96% SDS-PAGE		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute in sterile water or other aqueous buffer.		
Storage & Stability:	Store at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		

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

