

CST3

Native Human Cystatin C

Catalog No.	CRC173A CRC173B CRC173C	Quantity:	20 µg 100 µg 1 mg
Alternate Names:	Cystatin-C, Cystatin-3, Neuroendocrine basic polypeptide, Gamma-trace, Post-gamma-globulin, CST3, MGC117328.		
Gene ID:	1471		
Description:	<p>Cystatins are a superfamily of cysteine proteinase inhibitors found in both plants and animals. They comprise a group of proteinase inhibitors, widely distributed in tissues and body fluids, and form tight complexes with cysteine proteases such as cathepsin B, H, L and S. Cystatin C, a secreted molecule of this family, is of interest from biochemical, medicine and evolutionary points of view. Cystatin C, with molecular weight of 13260 Da, is composed of 120 amino acids, lacks carbohydrate and has two disulfide bridges located near the carboxyl terminus. Cystatin C is increased in patients with malignant diseases, and is related to the insufficiency of renal function and appears to be a better marker than creatinine. On the other hand, low levels of cystatin C involve cause the breakdown of the elastic laminae and, subsequently, the atherosclerosis and abdominal aortic aneurysm.</p>		
Source:	Human urine		
Formulation:	Lyophilized from 0.02 M NH ₄ HCO ₃ . May contain traces of buffer salts.		
Purity:	Greater than 96% as determined by SDS PAGE.		
Endotoxin Level:	< 0.1 ng/µg of Cystatin C		
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.		
Reconstitution:	Centrifuge vial prior to opening. Add 0.02 M NH ₄ HCO ₃ buffer to the vial to fully solubilize the protein.		
Applications:	ELISA Western Blot		
Storage & Stability:	Human Cystatin-C although stable at 4°C for 1 week, should be stored at -15°C. Please avoid freeze-thaw cycles.		
Human Virus Test:	Starting material tested and certified negative for HIV I & II antibodies, Hepatitis B surface antigen, and Hepatitis C antibodies.		

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



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