9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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CST3 Human

Cystatin-C Human
RCP0560

Product Overview

Name	CST3 Human
Description	
Cystatin-C Human	
Accession (Primary)	P01034
Synonyms	
Cystatin-C, Cystatin-3, Neuroendocrine basic polypeptide, Gamma-trace, Post-gamma-globulin, CST3, MGC117328.	
Introduction	
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.	
Source	
Human urine.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Lyophilized from 0.02M NH 4 HCO 3 . May contain traces of buffer salts.	
Stability	
Human Cystatin-C although stable at 4°C for 1 week, should be stored at -15°C. Please avoid freeze-thaw cycles.	
Purity	
Greater than 96% as determined by SDS PAGE.	
Solubility	
Use of a 0.02M NH 4 HCO 3 buffer is recommended.	
Human Virus Test	

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Starting material tested and certified negative for HIV I & II antibodies, Hepatitis B surface antigen, and Hepatitis C antibodies.

Precautions

CST3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01034)