9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Cystatin-C Protein

Cystatin-C Human Recombinant
RCP0605

Product Overview

Name	Cystatin-C Protein
Description	
Cystatin-C Human Recombinant	
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 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	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
Cystatin-C is supplied as a 0.2 µm filtered solution containing 20mM Tris-HCl, 50 % glycerol, pH 8.0 and 300mM NaCl.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
SSPGKPPRLV GGPMDASVEE EGVRRALDFA VGEYNKASND MYHSRALQVV RARKQIVAGV NYFLDVELGR TTCTKTQPNL DNCPFHDQPH LKRKAFCSFQ IYAVPWQGTM TLSKSTCQDA.	

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Precautions

Cystatin-C Protein is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01034)