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

CST3 Rat, sf9

Cystatin C Rat Recombinant, sf9
RCP0569

Product Overview

Name	CST3 Rat, sf9
Description	
Cystatin C Rat Recombinant, sf9	
Accession (Primary)	P14841
Synonyms	
Cystatin-C, Cystatin-3.	
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	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
CST3 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
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 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
GTSRPPPRLL GAPQEADASE EGVQRALDFA VSEYNKGSND AYHSRAIQVV RARKQLVAGI NYYLDVEMGR	

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TTCTKSQTNL TNCPFHDQPH LMRKALCSFQ IYSVPWKGTH TLTKSSCKNA LEHHHHHH .

Precautions

CST3 Rat, sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P14841)