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

CST3 Mouse

Cystatin-C Mouse Recombinant
RCP0564

Product Overview

Name	CST3 Mouse
Description	
Cystatin-C Mouse Recombinant	
Accession (Primary)	P21460
Synonyms	
Post G-globulin, CST 3, CST3, Gamma-Trace, Cystatin 3, Amyloid Angiopathy and Cerebral Hemorrhage, Cystatin-C precursor, neuroendocrine basic polypeptide.	
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	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The sterile filtered concentrated (0.5mg/ml) protein solution was lyophilized with 20mM Tris & 50mM NaCl pH-7.5.	
Stability	
Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	

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MRGSHHHHHH GMASATPKQG PRMLGAPEEA DANEEGVRRA LDFAVSEYNK GSNDAYHSRA IQVVRARKQL VAGVNYFLDV EMGRTTCTKS QTNLTDCPFH DQPHLMRKAL CSFQIYSVPW KGTHSLTKFSCKNA.

Solubility

Add deionized water to a working concentration of 0.5mg/ml and let the lyophilized pellet dissolve completely.

Precautions

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

Target Information: (P21460)