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CST3 Human, Pichia

Cystatin C Human Recombinant, Pichia
RCP0562

Product Overview

Name	CST3 Human, Pichia

Description

Cystatin C Human Recombinant, Pichia

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

Pichia pastoris.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The protein was lyophilized from 20mM NH_4HCO_3.

Stability

Human CST3 although stable at 4°C for 1 week, should be stored at -20°C.

Purity

Greater than 96.0%.

Solubility

It is recommended to reconstitute the lyophilized CST3 Human in sterile 18MΩ-cm H_2O at a concentration of 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

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