
Product Data Sheet

Product Name: CST3 Human, Pichia
Cat. No.: GP26275
Batch No.: 1

Product Data

Purity	>98%	Source	Pichia pastoris.
Physical Appearance	solid	Shipping Condition	atRoomtemp.

Solubility It is recommended to reconstitute the lyophilized CST3 Human in sterile 18MΩ-cm H₂O at a concentration of 100μg/ml, which can then be further diluted to other aqueous solutions.

Formulation The protein was lyophilized from 20mM NH₄HCO₃.

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.

Stability

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

Background

Recombinant Human Cystatin C is having a molecular mass of approximately 13kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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