

## 32-13767: CST3 Human, Pichia

**Format :** The protein was lyophilized from 20mM NH<sub>4</sub>HCO<sub>3</sub>.

### Description

Source:Pichia pastoris.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Biological Activity null

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.

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

### Product Info

**Amount :** 100 µg / 50 µg

**Purification :** Greater than 96.0%.

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

### Application Note

It is recommended to reconstitute the lyophilized CST3 Human in sterile 18MO-cm H<sub>2</sub>O at a concentration of 100 µg/ml, which can then be further diluted to other aqueous solutions.