



Product Datasheet

Product Name	Cystatin C Human
Cata No	CB501034
Source	<i>Human urine</i>
Synonyms	Cystatin-C, Cystatin-3, Neuroendocrine basic polypeptide, Gamma-trace, Post-gamma-globulin, CST3, MGC117328.

Description

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.

Purity

Greater than 96% as determined by SDS PAGE.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from 0.02M NH_4HCO_3 . May contain traces of buffer salts.

Solubility

Use of a 0.02M NH_4HCO_3 buffer is recommended.

Stability

Should be stored between 2-8°C.

Minimum shelf life 2 years.

Purity

Greater than 96% as determined by SDS PAGE.

Applications

ELISA, Western blotting

*** For Non-Clinical Research Use Only ***

