

32-3618: CST3 Native Protein

Alternative Name Cystatin-C,Cystatin-3,Neuroendocrine basic polypeptide,Gamma-trace,Post-gamma-globulin,CST3,MGC117328.

Description

Source : Human urine. 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.

Product Info

Amount : 100 µg
Purification : Greater than 96% as determined by SDS PAGE.
Content : Lyophilized from 0.02M NH₄HCO₃. May contain traces of buffer salts.
Storage condition : Human Cystatin-C although stable at 4°C for 1 week, should be stored at -15°C. Please avoid freeze-thaw cycles.

Application Note

Use of a 0.02M NH₄HCO₃ buffer is recommended.