

## **Recombinant Human CST3**

## (Mammalian)

Catalog # EPT072

**Expression Host** Human Cells

**DESCRIPTION** Recombinant Human Cystatin C is produced by our

Mammalian expression system and the target gene

encoding Ser27-Ala146 is expressed.

Accession P01034

**Synonyms** Cystatin-C; Cystatin-3; Gamma-trace; Neuroendocrine

basic polypeptide; Post-gamma-globulin; CST3

Mol Mass 13.3 KDa

**AP Mol Mass** 15 KDa, reducing conditions

**Purity** Greater than 95% as determined by reducing

SDS-PAGE.

**Endotoxin** Less than 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL

test.

**FORMULATION** Lyophilized from a 0.2 µm filtered solution of 10mM

PB, 200mM NaCl, pH 6.5.

**RECONSTITUTION** Always centrifuge tubes before opening. Do not mix by



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vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**SHIPPING** 

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

**STORAGE** 

Lyophilized protein should be stored at < -20 ° C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

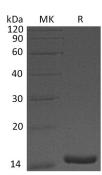
**BACKGROUND** 

Cystatin C is a member of family 2 of the cystatin superfamily. It is ubiquitous in human tissues and body fluids and mainly used as a biomarker of kidney function. Cystatin C inhibits many cysteine proteases such as papain and Cathepsins B, H, K, L and S. As an inhibitor of cysteine proteinases, Cystatin C is thought to serve an important physiological role as a local





regulator of this enzyme activity. Recently, it has been studied for its role in predicting new-onset or deteriorating cardiovascular disease. It also seems to play a role in brain disorders involving amyloid (a specific type of protein deposition), such as Alzheimer's disease.



**SDS-PAGE** 

