

## Recombinant Human CST3

Catalog No: CR17

Description Recombinant Human Cystatin C is produced by our E.coli expression system and the target gene

encoding Gly26-Ala146 is expressed.

Source Human Cells

Alternative name ARMD11;Gamma-trace;Neuroendocrine basic polypeptide;Post-gamma-globulin;Cystatin-3

Accession No. P01034

Formulation Lyophilized from a 0.2 µm filtered solution of 20mM HEPES,150mM NaCl,pH7.4.

**Quality Control** Purity: Greater than 95% as determined by reducing SDS-PAGE.

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

**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.

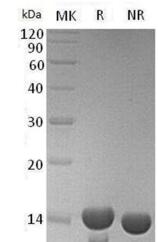
Amino Acid Sequence  ${\tt GSSPGKPPRLVGGPMDASVEEEGVRRALDFAVGEYNKASNDMYHSRALQVVRARKQIVAGVNYFLDV}$ 

ELGRTTCTKTQPNLD NCPFHDQPHLKRKAFCSFQIYAVPWQGTMTLSKSTCQDA

**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** 

