

## Product datasheet for **TP727179**

### Cystatin C (CST3) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Cystatin C/CST3 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser27-Ala146
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 10mM PB, 200mM NaCl, pH6.5.
Note:	Recombinant Human Cystatin C is produced by our Mammalian expression system and the target gene encoding Ser27-Ala146 is expressed with a 6His tag at the C-terminus.
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.
Stability:	12 months from date of despatch
Locus ID:	1471
UniProt ID:	<a href="#">P01034</a>
Synonyms:	Cystatin-C;Cystatin-3;Gamma-trace;Neuroendocrine basic polypeptide;Post-gamma-globulin;CST3
Summary:	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.
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane



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