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CST3 Protein (AA 27-146) (His tag)



## Overview

Quantity:	50 μg
Target:	CST3
Protein Characteristics:	AA 27-146
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CST3 protein is labelled with His tag.

## **Product Details**

Purpose:	Recombinant Human Cystatin C/CST3 (C-6His)
Sequence:	SSPGKPPRLV GGPMDASVEE EGVRRALDFA VGEYNKASND MYHSRALQVV RARKQIVAGV NYFLDVELGR TTCTKTQPNL DNCPFHDQPH LKRKAFCSFQ IYAVPWQGTM TLSKSTCQDA VDHHHHHH
Characteristics:	Recombinant Human Cystatin-C is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (AA 27-146) of Human Cystatin-C fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 μm filtered
Endotoxin Level:	Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details	
Target:	CST3
Alternative Name:	Cystatin-C (CST3 Products)
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.
Molecular Weight:	14.4 kDa
UniProt: Application Details	P01034
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL.  Dissolve the lyophilized protein in ddH2O.  Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 10 mM PB, 200 mM Nacl, pH 6.5.

Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

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.

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

4 °C/-20 °C/-80 °C

Handling Advice:

Storage Comment:

Storage: