

Datasheet for ABIN7504945

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



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### Overview

Quantity:	100 µg
Target:	CST3
Protein Characteristics:	AA 27-146
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CST3 protein is labelled with His tag.

### Product Details

Sequence:	Ser27-Ala146
Characteristics:	A DNA sequence encoding the Human Cys-C (P01034-1) (Ser27-Ala146) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.

### Target Details

Target:	CST3
Alternative Name:	Cystatin C ( <a href="#">CST3 Products</a> )
Background:	<p>Abbreviation: Cystatin C, CST3</p> <p>Target Synonym: Cys-C, CST3, Cystatin 3, ARMD11, Post-Gamma-Globulin</p> <p>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</p>

## Target Details

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: Calculated MW: 13.3 kDa  
Observed MW: 14 kDa

UniProt: [P01034-1](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.  
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months