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Datasheet for ABIN7504945

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

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 (CST3 Products)
Background:	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

Target Details

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.
Synonym: Cys-C, CST3, Cystatin 3, ARMD11, Post-Gamma-Globulin

Molecular Weight: 13.3 kDa

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.

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