

Datasheet for ABIN7318373 **CST3 Protein**



[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	CST3
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Cystatin C/CST3 Protein (E.coli)
Sequence:	Gly26-Ala146
Characteristics:	Recombinant Human Cystatin C is produced by our E.coli expression system and the target gene encoding Gly26-Ala146 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CST3
Alternative Name:	Cystatin C/CST3 (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: ARMD11, Gamma-trace, Neuroendocrine basic polypeptide, Post-gamma-globulin, Cystatin-3

Molecular Weight: 13.4 kDa

UniProt: [P01034](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 μ m filtered solution of 20 mM HEPES, 150 mM NaCl, 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.