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## Datasheet for ABIN7319365 CST5 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	CST5
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CST5 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Cystatin D Protein (His Tag)
Sequence:	Gly21-Val142
Characteristics:	Recombinant Human Cystatin D is produced by our Mammalian expression system and the target gene encoding Gly21-Val142 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	CST5
Alternative Name:	Cystatin D ( <a href="#">CST5 Products</a> )
Background:	Background: Cystatin-D is a protein that in humans is encoded by the CST5 gene. The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never

## Target Details

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acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes a protein found in saliva and tears. The encoded protein may play a protective role against proteinases present in the oral cavity.

Synonym: Cystatin-D, Cystatin-5, CST5

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Molecular Weight: 14.9 kDa

NCBI Accession: [NP\\_001891](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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

Buffer: Lyophilized from a 0.2  $\mu$ m filtered solution of 20 mM MES, 150 mM NaCl, pH 5.5.

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.