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## Datasheet for ABIN7318380 CST1 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	CST1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CST1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Cystatin SN/CST1 Protein (His Tag)
Sequence:	Trp21-Ser141
Characteristics:	Recombinant Human Cystatin SN is produced by our Mammalian expression system and the target gene encoding Trp21-Ser141 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:	CST1
Alternative Name:	Cystatin SN/CST1 ( <a href="#">CST1 Products</a> )
Background:	Background: Cystatin-SN is a member of family 2 of the Cystatin superfamily and a cysteine proteinase inhibitor found in saliva, tears, urine, and seminal fluid. Together with Cystatins S and SA, it is produced by the salivary gland and secreted largely in the

## Target Details

submandibular/sublingual saliva. Cystatin-SN inhibits members of the Papain family including Cathepsins B, C, H and L.

Synonym: Cystatin-SN, Cystain-SA-I, Cystatin-1, Salivary Cystatin-SA-1, CST1

Molecular Weight: 15.4 kDa

UniProt: [P01037](#)

## 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 µm 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.