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Datasheet for ABIN1096497

**CST4 Protein (AA 21-141) (His tag)**

## Overview

Quantity:	50 µg
Target:	CST4
Protein Characteristics:	AA 21-141
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CST4 protein is labelled with His tag.

## Product Details


Purpose:	Recombinant Human Cystatin S/CST4 (C-6His)
Sequence:	SSSKEENRII PGGIYDADLN DEWVQRALHF AISEYNKATE DEYYRRPLQV LRAREQTFGG VNYFFDVEVG RTICTKSQPN LDTCAFHEQP ELQKKQLCSF EIYVWPWEDR MSLVNSRCQE AVDHHHHHHH
Characteristics:	Recombinant Human Cystatin S/CST4 (C-6His)
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	CST4
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## Target Details

Alternative Name: Cystatin-S ([CST4 Products](#))

Background: Recombinant Human Cystatin-S produced by transfected human cells is a secreted protein with sequence (Ser21  Ala141) of Human CST4 fused with a polyhistidine tag at the C-terminus.

Cystatin-S, also called Cystatin-SA-III or Salivary acidic protein, is usually expressed in submandibular and sublingual saliva but not in parotid saliva(at protein level). This protein, which is phosphorylated at both its N- and C-terminal regions, belongs to the cystatin family. Cystatin-S can function as an inhibitor to papain or ficin, it partially inhibits stem bromelain and bovine cathepsin C.

Molecular Weight: 15.23 kDa

UniProt: [P01036](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 µg/mL.  
Dissolve the lyophilized protein in ddH<sub>2</sub>O.  
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM MES, 150 mM NaCl, pH 5.5.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: 4 °C/-20 °C/-80 °C

Storage Comment: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.  
Reconstituted protein solution can be stored at 4-7°C for 2-7 days.  
Aliquots of reconstituted samples are stable at < -20°C for 3 months.