

# Recombinant Human Cystatin S/CST4 Protein (His Tag)



Catalog Number:PKSH032327

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

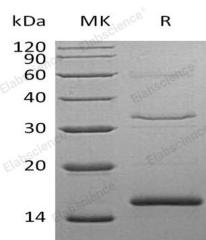
## Description

<b>Synonyms</b>	Cystatin-S;Cystatin-4;Cystatin-SA-III;Salivary Acidic Protein 1;CST4
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Ser21-Ala141
<b>Accession</b>	P01036
<b>Calculated Molecular Weight</b>	15.2 kDa
<b>Observed molecular weight</b>	16 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM MES, 150mM NaCl, pH 5.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Reconstitution</b>	Please refer to the specific buffer information in the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

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.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017