

## Product datasheet

# Recombinant Human Cystatin S protein ab151348

### Description

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<b>Product name</b>	Recombinant Human Cystatin S protein
<b>Purity</b>	> 95 % SDS-PAGE. Purity is greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
<b>Endotoxin level</b>	< 1.000 Eu/μg
<b>Expression system</b>	HEK 293 cells
<b>Accession</b>	<b><u>P01036</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	SSSKEENRIIPGGIYDADLNDEWVQRALHFAISEYNKATED EYYRRPLQV LRAREQTFGGVNYFFDVEVGRITCKSQPNLDTCAFHEQP ELQKKQLCSF EYEVPWEDRMSLVNSRCQEAVDHHHHHH
<b>Predicted molecular weight</b>	15 kDa including tags
<b>Amino acids</b>	21 to 141
<b>Tags</b>	His tag C-Terminus

### Specifications

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Our **Abpromise guarantee** covers the use of **ab151348** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE HPLC
<b>Form</b>	Lyophilized

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at -80°C. pH: 5.50
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Constituents: 0.88% Sodium chloride, 0.39% MES

## Reconstitution

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. 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.

## General Info

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### Function

This protein strongly inhibits papain and ficin, partially inhibits stem bromelain and bovine cathepsin C, but does not inhibit porcine cathepsin B or clostripain. Papain is inhibited non-competitively.

### Tissue specificity

Expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level). Expressed in saliva, tears, urine and seminal fluid.

### Sequence similarities

Belongs to the cystatin family.

### Post-translational modifications

Phosphorylated at both its N- and C-terminal regions.

### Cellular localization

Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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