

Product datasheet

Recombinant Human Cystatin SN/CST1 protein ab116170

[1 Image](#)

Description

Product name	Recombinant Human Cystatin SN/CST1 protein
Purity	> 95 % SDS-PAGE. ab116170 is purified by using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>P01037</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMWSPKEEDRIIPGGI YNADLNDEWVQR ALHFAISEYNKATKDDYYRRPLRVLRARQQTVGGVNYFFD VEVGRTICTK SQPNLDTCAFHEQPELQKKQLCSFEIYVPWENRRSLVK S RCQES
Predicted molecular weight	17 kDa including tags
Amino acids	21 to 141
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab116170** in the following tested applications.

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

Applications	Mass Spectrometry SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid
Additional notes	This product was previously labelled as Cystatin SN

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.03% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function

Human saliva appears to contain several cysteine proteinase inhibitors that are immunologically related to cystatin S but that differ in their specificity due to amino acid sequence differences. Cystatin SN, with a pI of 7.5, is a much better inhibitor of papain and dipeptidyl peptidase I than is cystatin S, although both inhibit ficin equally well.

Tissue specificity

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

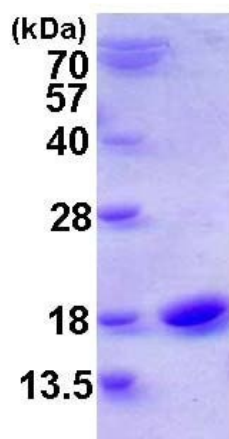
Sequence similarities

Belongs to the cystatin family.

Cellular localization

Secreted.

Images



15% SDS-PAGE showing ab116170 at approximately 16.9kDa (3µg).

SDS-PAGE - Recombinant Human Cystatin
SN/CST1 protein (ab116170)

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

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