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Datasheet for ABIN1096500 CST2 Protein (AA 21-141) (His tag)

Overview

Quantity:	50 µg
Target:	CST2
Protein Characteristics:	AA 21-141
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CST2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cystatin SA/CST2 (C-6His)
Sequence:	WSPQEEDRII EGGIYDADLN DERVQRALHF VISEYNKATE DEYYRLLRV LRAREQIVGG VNYFFDIEVG RTICTKSQPN LDTCAFHEQP ELQKKQLCSF QIYVWPWEDR MSLVNSRCQE AVDHHHHHHH
Characteristics:	Recombinant Human Cystatin SA/CST2 (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:	CST2
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Target Details

Alternative Name: Cystatin-SA ([CST2 Products](#))

Background: Recombinant Human Cystatin-SA is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Trp21-Ala141) of Human CST2 fused with a polyhistidine tag at the C-terminus.

Cystatin SA is a member of family 2 of the Cystatin superfamily. Together with Cystatins S and SN, it is produced by the salivary gland and secreted largely in the submandibular/sublingual saliva. Cystatin SA inhibits Cathepsin L, but may not inhibit Cathepsins B and H. The functions of Cystatin SA are largely unknown. However, it has been suggested to play a role in the control of periodontal tissue destruction.

Molecular Weight: 15.39 kDa

UniProt: [P09228](#)

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 ddH₂O.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, pH 8.0.

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.