

## 32-7310: Recombinant Human Cystatin SA/CST2 (C-6His)

**Gene :** CST2  
**Gene ID :** 1470  
**Uniprot ID :** P09228

### Description

Source: Human Cells.  
MW :15.39kD.

Recombinant Human Cystatin SA is produced by our Mammalian expression system and the target gene encoding Trp21-Ala141 is expressed with a 6His 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 8.0.  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** 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.  
**Amino Acid :** WSPQEEDRIIEGGIYDADLNDERVQRALHFVISEYNKATEDEYRRLRLRVLRLRAREQIVGGVNYFFDIEVGRTICTK SQPNLDTCAFHEQPELQKKQLCSFQIYVWEDRMSLVNSRCQEAVDHHHHHH

### Application Note

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 ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.