

## 32-7309: Recombinant Human Cystatin S/CST4 (C-6His)

**Gene :** CST4  
**Gene ID :** 1472  
**Uniprot ID :** P01036

### Description

Source: Human Cells.  
MW :15.23kD.

Recombinant Human Cystatin S is produced by our Mammalian expression system and the target gene encoding Ser21-Ala141 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, pH 5.5.  
**Storage condition :** 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.  
**Amino Acid :** SSSKEENRIIPGGIYDADLNDEWVQRALHFAISEYNKATEDEYRRPLQVLRAREQTFGGVNYFFDVEVGRITICTKSPNLDTCAFHEQPELQKKQLCSFEIYVPWEDRMSLVNSRCQEAVDHHHHHH

### 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.