

# **Recombinant Human Cystatin-SA/CST2 Protein**

Catalog No.: RP01174 Recombinant

## **Sequence Information**

**Species Gene ID Swiss Prot** Human 1470 P09228

#### **Tags**

C-His

### **Synonyms**

CST2

## **Product Information**

Source

**Purification** 

≥ 95 % as determined by SDS-

PAGE.

## Calculated MW Observed MW

15.19 kDa 15-20 kDa

#### **Endotoxin**

HEK293 cells

< 0.1 EU/ $\mu$ g of the protein by LAL method.

#### **Formulation**

Lyophilized from a 0.22 µm filtered solution of 50mM Tris,150mM NaCl, pH 8.0.Contact us for customized product form or formulation.

#### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

#### Contact

6	400-999-6126
$\simeq$	cn.market@abclonal.com.cn

## **Background**

## **Basic Information**

#### **Description**

Recombinant Human Cystatin-SA/CST2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Trp21-Ala141) of human Cystatin SA/CST2 (Accession #NP\_001313.1) fused with a 6×His tag at the C-terminus.

#### **Bio-Activity**

Measured by its ability to inhibit active Cathepsin L cleavage of a fluorogenic peptide substrate Z-LR-AMC. The IC50 value is<2.5 nM.

#### **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

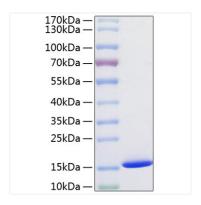
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

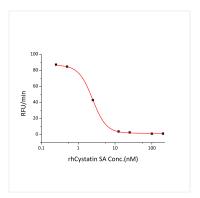
#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

## **Validation Data**



Recombinant Human Cystatin-SA/CST2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant Human CST6 inhibits active Cathepsin L cleavage of a fluorogenic peptide substrate Z-LR-AMC (Catalog # ES008). The IC50 value is<2.5 nM.