

RP00994

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Recombinant Human Cystatin-S/CST4 Protein

Catalog No.: RP00994

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	1472	P01036

Tags

C-His

Synonyms

CST4

Product Information

Source

HEK293 cells

Purification

> 95% by SDS-PAGE.

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact



www.abclonal.com

Background

Basic Information

Description

Recombinant Human Cystatin-S/CST4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser21-Ala141) of human Cystatin S (Accession #NP_001890.1) fused with a 6×His tag at the C-terminus.

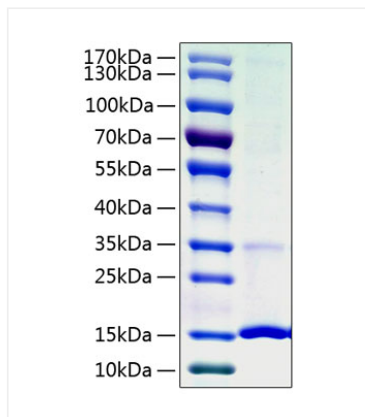
Bio-Activity

Measured by its ability to inhibit active Cathepsin L cleavage of a fluorogenic peptide substrate Z-LR-AMC. The IC50 value approximately is 26.3 nM.

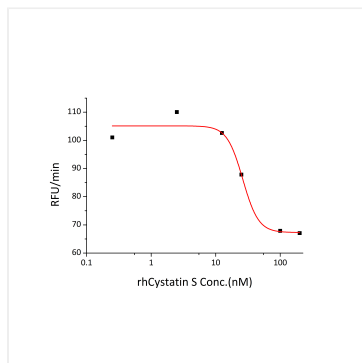
Storage

Store the lyophilized protein at -20°C to -80 °C for long term. 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.

Validation Data



Recombinant Human Cystatin-S/CST4
Protein was determined by SDS-PAGE with
Coomassie Blue, showing a band at 16 kDa.



Recombinant human CST4 inhibits active
Cathepsin L cleavage of a fluorogenic
peptide substrate Z-LR-AMC
(Catalog#ES008). The IC₅₀ value
approximately is 26.3nM.