

## Cystatin-C/CST3 Recombinant Protein | CST3 recombinant protein

Recombinant Rat Cystatin-C/CST3 Protein

|                               |                             |
|-------------------------------|-----------------------------|
| CATALOG #<br><b>AAA282588</b> | HOST<br><b>HEK293 cells</b> |
|-------------------------------|-----------------------------|

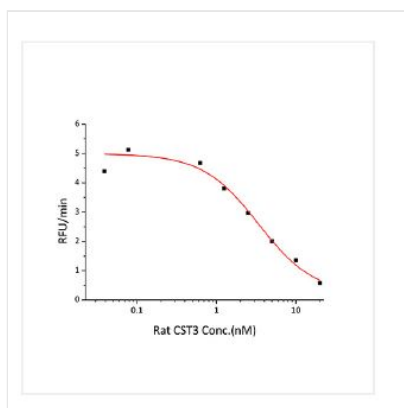
### PRODUCT SYNONYMS

Cystatin-C/CST3; Recombinant Rat Cystatin-C/CST3 Protein; CYSC; Cystatin-C; CST3; CST3 recombinant protein

### PRODUCT SPECIFICATIONS

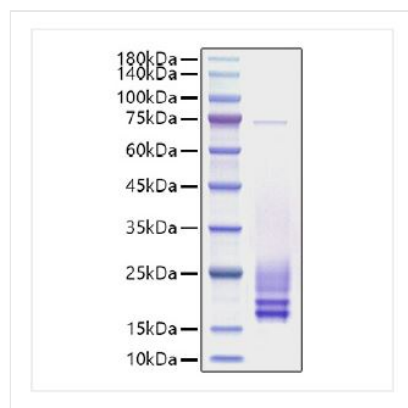
|                         |                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | HEK293 cells                                                                                                                                                                                                                                  |
| Purity/Purification     | > 92% by SDS-PAGE.                                                                                                                                                                                                                            |
| Form/Format             | Liquid<br>Lyophilized from a 0.22 um filtered solution of 20mM HEPES and 150 mM NaCl; pH 7.0                                                                                                                                                  |
| Species                 | Rat                                                                                                                                                                                                                                           |
| Tag                     | C-6His                                                                                                                                                                                                                                        |
| Bioactivity             | Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate Z-FR-AMC . The IC50 value is <3.4 nM, under the described conditions.                                                                                   |
| Preparation and Storage | Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles.<br>Ship: Ice Pack |

### IMAGES



#### Application Data

Recombinant Rat CST3 inhibit papain cleavage of a fluorogenic peptide substrate Z-FR-AMC .  
The IC50 value is



#### SDS-PAGE

Active Recombinant Rat Cystatin-C/CST3 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 18-25 kDa.

### ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                    |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CST3 recombinant protein | Recombinant Rat Cystatin-C/CST3 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly 21-Ala140) of rat Cystatin-C/CST3 (Accession #NP_036969.1) fused with and a 6xHis tag at the C-terminus. |
| Product Categories/Family for CST3 recombinant protein   | <a href="#">Other Recombinant Protein</a>                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                        | 54234046                                                                       |
| NCBI GeneID                      | 25307                                                                          |
| NCBI Accession #                 | NP_036969.1                                                                    |
| NCBI GenBank Nucleotide #        | NM_012837.1                                                                    |
| UniProt Accession #              | P14841; Q5M968                                                                 |
| Molecular Weight                 | 15,437 Da                                                                      |
| NCBI Official Full Name          | cystatin-C                                                                     |
| NCBI Official Synonym Full Names | cystatin C                                                                     |
| NCBI Official Symbol             | Cst3                                                                           |
| NCBI Official Synonym Symbols    | CYSC                                                                           |
| NCBI Protein Information         | cystatin-C; Cystatin C (cysteine proteinase inhibitor); cystatin 3; cystatin-3 |
| UniProt Protein Name             | Cystatin-C                                                                     |
| UniProt Gene Name                | Cst3                                                                           |
| UniProt Entry Name               | CYTC_RAT                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cst3-recombinant-protein-hek293-cells/282588>