

# Rat Cystatin C / CST3 (His Tag) recombinant protein



Catalog Number: 500230

## General Information

### Gene Name Synonym

Cystatin-3

### Protein Construction

A DNA sequence encoding the rat CST3 (P14841-1) (Met 1-Ala 140) was fused with a polyhistidine tag at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gly 21

### Molecular Mass

The recombinant rat CST3 comprises 131 amino

acids and predicts a molecular mass of 14.7 kDa. The apparent molecular mass of the rat CST3 is approximately 18-25 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20mM HEPES, 150mM NaCl, pH 7.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

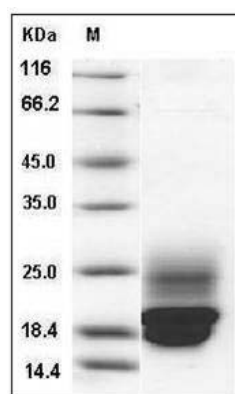
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Rat Cystatin C / CST3 Protein (His Tag) SDS-PAGE