

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



Catalog Number: 500915

## General Information

### Gene Name Synonym

Cystatin-3

### Protein Construction

A DNA sequence encoding the mouse CST3 (NP\_034106.2) precursor (Met 1-Ala 140) was expressed with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate Z-FR-AMC, R&D Systems, Catalog # ES009. The IC<sub>50</sub> value is < 10 nM.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ 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°C

### Predicted N terminal

Ala 21

## Molecular Mass

The secreted recombinant mouse CST3 consists of 131 amino acids and has a calculated molecular mass of 15 kDa. The recombinant protein migrates as three bands (15, 18 & 21-24 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

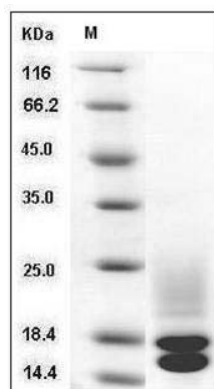
### Storage

Store it under sterile conditions at -20°C to -80°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



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