

# Human Cystatin E / CST6 (His Tag) recombinant protein



Catalog Number: 501335

## General Information

### Gene Name Synonym

Cystatin-6; Cystatin-E

### Protein Construction

A DNA sequence encoding the human cystatin E/M protein (NP\_001314.1) (Met 1-Met 149) was expressed with a C-terminal polyhistidine-tag.

### Organism

Human

### Expression Host

Human Cells

### QC Testing

### Activity

Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate ZF RAMC, R&D Systems, Catalog # ES009. IC<sub>50</sub><2nM.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg 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

Arg 29

### Molecular Mass

The mature form of recombinant human cystatin E/M consists of 132 amino acids and predicts a molecular mass of 15 kDa. It exists as two major forms with an identical N-terminal sequence. As a result of glycosylation, rh cystatin E/M migrates as doublets with the molecular mass of approximately 15 and 21 kDa respectively in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 25mM MES, 0.15M NaCl, pH 6.5

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

### Usage Guide

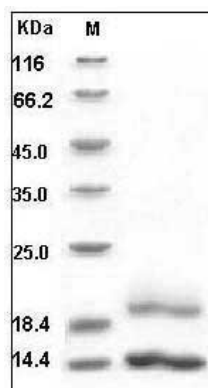
### Storage

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



Human Cystatin E / CST6 Protein (His Tag) SDS-PAGE