

## General Information

### Gene Name Synonym

Cystatin-7; Cystatin-like metastasis-associated protein; Leukocystatin

### Protein Construction

The mature form of the human Cystatin F (NP\_003641.3) (Met 1-His 145) with five amino acids (DDDDK) at the C-terminus was expressed and purified.

### Organism

Human

### 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 20

### Molecular Mass

The recombinant human Cystatin F consists of 132 amino acids and predicts a molecular mass of 15.2 kDa. As a result of glycosylation, the apparent molecular mass of rhCystatin F is approximately 25 kDa in SDS-PAGE.

### Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0

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

## Usage Guide

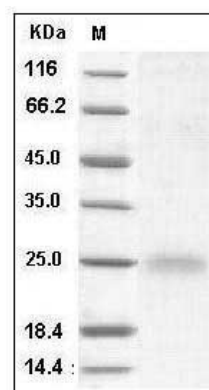
### Storage

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



Human Cystatin 7 / CST7 Protein SDS-PAGE