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

Catalog Number: 500278



#### **General Information**

### Gene Name Synonym

Cystatin M/E; Cystatin-B

#### **Protein Construction**

A DNA sequence encoding the extracellular domain of mouse CST6 (NP\_082899.1) (Met 1-Ala 152) 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 ZFR-AMC,R&D Systems, Catalog # ES009.

The IC50 is < 20 nM.

# **Purity**

> 90 % 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**

Glu 29

#### **Molecular Mass**

The secreted recombinant mouse CST6 comprises 132 amino acids and has a calculated molecular mass of 15.2 kDa. As a result of glycosylation, the apparent molecular mass of rmCST6 is approximately 20 kDa in SDS-PAGE under reducing conditions.

## **Formulation**

Lyophilized from sterile PBS, pH 7.4

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

# **Usage Guide**

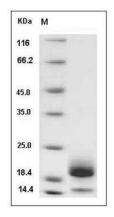
### **Storage**

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 E / CST6 Protein (His Tag) SDS-PAGE