# Mouse Cathepsin S/CTSS (His Tag) recombinant protein

Catalog Number: 500580



#### General Information

#### **Protein Construction**

A DNA sequence encoding the full length of mouse CTSS (AAB94925.1) (Met 1-Ile 340) was expressed, with a C-terminal polyhistidine tag.

#### Organism

Mouse

## **Expression Host**

**Human Cells** 

## QC Testing

#### Activity

Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVENval-WRK (Dnp)-NH2, AnaSpec, Catalog # 27114.
The specific activity is >300 pmoles/min/µg.

#### **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**

Val 18

#### **Molecular Mass**

The recombinant mouse CTSS consists of 334 amino acids and predicts a molecular mass of 37.6 KDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmCTSS is approximately 33-38 KDa.

#### **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**

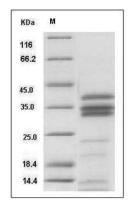
## **Storage**

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 Cathepsin S / CTSS Protein (His Tag) SDS-PAGE