

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 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

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

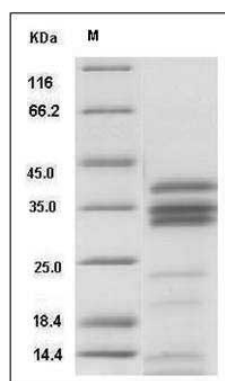
Storage

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



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