

Recombinant Mouse Cathepsin B Protein

Catalog No.: RP02994 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	13030	P10605

Tags

C-His

Synonyms

Cathepsin B; 3.4.22.1; APP secretase; APPS; Cathepsin B1; CTSB

Product Information

Source	Purification
HEK293 cells	>95% as determined by SDS-PAGE

Calculated MW	Observed MW
36.6 kDa	35-43 kDa

Endotoxin

<1EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Background

Basic Information

Description

Recombinant Mouse Cathepsin B Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (His18-Phe339) of mouse Cathepsin B (Accession #NP_031824.1) fused with a 6×His tag at the C-terminus.

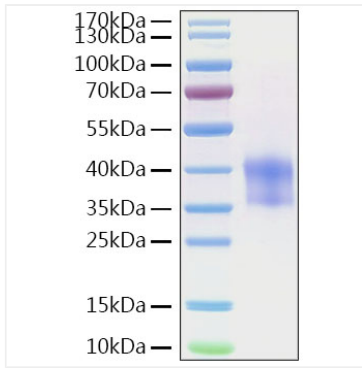
Bio-Activity

Measured by its ability to cleave the fluorogenic peptide substrate Z-LR-AMC (R&D Systems, Catalog # E5008). The specific activity is >2,000 pmoles/min/μg.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Mouse Cathepsin B Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 35-43 kDa.