

Recombinant Mouse Cathepsin B Protein

Catalog No.: RP02994

Sequence Information

Species **Gene ID**
Mouse 13030

Swiss Prot **Tags**
P10605 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

< 1 EU/μg of the protein by LAL
method.

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.

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.

Activity

Measured by its ability to cleave the fluorogenic peptide substrate Z-LR-AMC
(R&D Systems, Catalog # ES008). The specific activity is >2,000 pmoles/min
/μg.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at –20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for
handling.

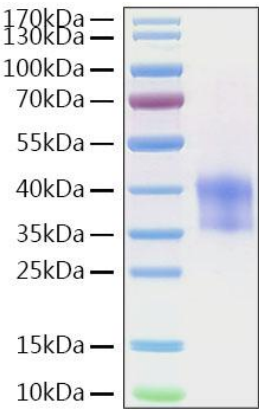
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Validation Data



Recombinant Mouse Cathepsin B Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.