

Gel Scan of Representative Lot Cathepsin B

ART Catalog No. 16-12-030102



SDS-PAGE

4-12% Bis-Tris gel

1. Blank
2. Cathepsin B 4 µg (Heated/Reduced)
3. Cathepsin B 7 µg (Heated/Reduced)
4. Standard
5. Blank
6. Cathepsin B 4 µg (Not Heated/Non-Reduced)
7. Cathepsin B 7 µg (Not Heated/Non-Reduced)

Protein Determination:

Extinction Coefficient (E) = 2.00 (0.1% at 280 nm,
1 cm pathway)

Molecular Weight:

27,500 Da

Physical Specifications:

Form: Frozen

Purity: ≥ 95% by SDS-PAGE

Considerations:

Storage Conditions: ≤ -70 °C

Stability: > 1 year

Buffer:

Frozen in 50 mM sodium acetate, pH 5.0, with 1
mM EDTA

Your Distributor

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TECHNICAL SUPPORT
Tel.: +49 40 4320 8448 - 11
support@active-bioscience.de

Active Bioscience GmbH
Oberaltenallee 8
D-22081 Hamburg
HRB 98170 Amtsgericht Hamburg

Product Datasheet

Product:	Cathepsin B
Catalog #:	16-12-030102
Form:	Frozen
Available Packaging:	25 and 50 µg. Larger aliquots are available upon request.
Buffer:	Frozen in 50 mM sodium acetate, pH 5.0, with 1 mM EDTA
Purity:	≥ 95% by SDS-PAGE
Molecular Weight:	27,500 Da
Activity:	≥ 200 units/mg protein. One unit is defined as the amount of enzyme that hydrolyzes 1 µmol of Z-Arg-Arg-beta-naphthylamide per minute at 40 °C, using 100 mM Na/K phosphate, pH 6.0, with 1.33 mM EDTA and 2 mM DTT as the activation buffer.
Protein Determination:	Extinction Coefficient (E) = 2.00 (0.1% at 280 nm, 1 cm pathway)
Storage/Handling:	≤ -70 °C
Stability:	> 1 year
Source:	Human Tissue
Testing:	Donor material is obtained from suppliers that perform a comprehensive infectious disease screening panel. Donors are screened by the supplier and confirmed negative for HIV-1/2, Hepatitis B (HBV), and Hepatitis C (HCV). Donor eligibility and testing practices are documented and traceable.

Product Link: <https://www.athensresearch.com/products/all/cathepsin-b-human-liver>

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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