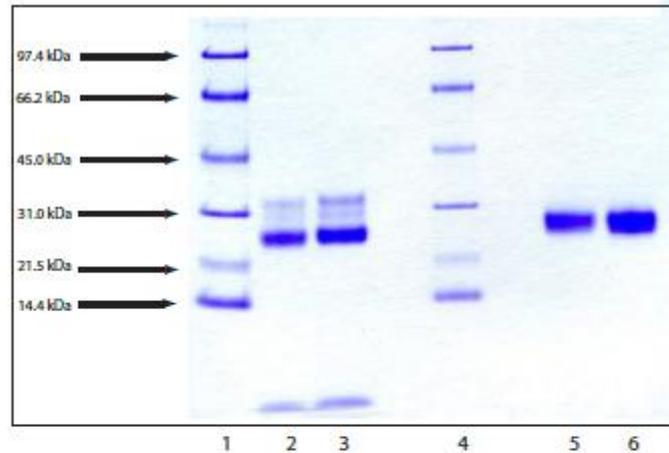


Cathepsin B, Human Liver

Project number: np001112



SDS-PAGE:  
4-12% Bis-Tris NuPAGE gel

1. LMW Standard
2. Cathepsin B - 4 µg (reduced / heated)
3. Cathepsin B - 7 µg (reduced / heated)
4. LMW Standard
5. Cathepsin B - 4 µg (non-reduced / no heat)
6. Cathepsin B - 7 µg (non-reduced / no heat)

**Molecular Weight:**

27,500

**Protein Determination:**

Extinction Coefficient (E)  $0.1\%$  at  $280\text{nm}$  =  $2.0$   
1cm pathway

**Physical Specifications:**

Frozen

Purity:  $\geq 95\%$  by SDS-PAGE

**Considerations:**

Storage Conditions:  $\leq -80^\circ\text{C}$

Stability > 1 year

Buffer: 50 mM Na Acetate, pH 5.0 with 1mM EDTA

**Activity:**

Greater than 200 units per mg protein. One unit is defined as the amount of enzyme which hydrolyzes one µmole of Z-Arg-Arg-NA 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.

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## Product Datasheet

**Product:** Cathepsin B, Human Liver

**Catalog Number:** np001112

**Description:** Frozen

**Buffer:** 50 mM Na acetate, pH 5.0 with 1 mM EDTA

**Purity:**  $\geq 95\%$  by SDS-PAGE

**Activity:** Greater than 200 units per mg protein. One unit is defined as the amount of enzyme which hydrolyzes one  $\mu$ mole of Z-Arg-Arg-NA 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.

**Molecular Weight:** MW 27,500

**Protein Determination:** Extinction Coefficient (E)  $0.1\%$  at 280nm = 2.0  
1cm pathway

**Storage:**  $\leq -80^{\circ}\text{C}$

**Stability:** > 1 year

**Available Packaging:** 25 ug per vial  
Larger aliquots upon request

**Source:** Human Liver

## Certificate Of Origin

**Product Name:** Cathepsin B, Human Liver

**Catalog Number:** np001112

**Lot Number:** Information applies to all lots produced.

**Manufacturing Information:** The methods and controls used in this facility for manufacturing, processing, packaging and holding of our products are in accordance with ISO9001:2015 Quality Management System.

**Raw Material Information:** The product contains no materials directly of animal origin and has not been in contact with products of animal origin in the course of its purification.

**Country of Origin (manufacturing):** United States

**Biological Source Material (COO):** United States

**Donor Consent:** The raw material used in the purification of this product has been obtained from an FDA licensed collection center. Further the donor or the donor's next of kin has given by signature full informed consent for the material to be used in commercial scientific research, including the sharing, transferring, or selling of samples to third parties involved in this research. The raw material was obtained in an ethical manner in full compliance with national legislation, and the donor identity is held as confidential information by the licensed collection center.