

Active Human Cathepsin B

CATALOG #:	1021-5
AMOUNT:	5 µg
LOT #:	
BACKGROUND:	Cathepsin B is a lysosomal cysteine protease. It is implicated in playing a role in protein degradation, arthritis, apoptosis, and cancer.
SOURCE:	Purified from human liver
FORM:	Liquid solution containing 50 mM sodium acetate, pH 5.0, with 1 mM EDTA
PURITY:	≥95% by SDS-PAGE
STORAGE CONDITIONS:	Store at -70°C, stable for at least 1 year as supplied. Avoid freeze/thaw cycles.
APPLICATIONS:	Human Cathepsin B is useful in inhibitor screening, kinetic studies, and cleavage of substrates.
ACTIVITY:	>200 units/mg protein. One unit is defined as the amount of enzyme that hydrolyzes one nmol Z-Arg-Arg-AFC substrate per minute at 37°C, pH 6.0, with 10 mM DTT.
SPECIFIC ACTIVITY:	470 units/mg
USAGE:	For Research Use Only! Not to be used in human subjects.

Prepared from tissue shown to be non reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

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- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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