

Active Human Cathepsin L

CATALOG #: 1135-100

AMOUNT: 100 µg

LOT #: _____

DESCRIPTION:

Cathepsin L is a lysosomal protease that can be secreted from the cell and is involved in protein degradation, arthritis and cancer.

SOURCE:

The recombinant Cathepsin L was produced from *E. coli* encoding human cDNA sequence from 188 to 1135 of gene accession number M20496 and then purified by several chromatographic steps.

FORM:

Liquid. Supplied in 20 mM imidazol-HCl, 5 mM β-mercaptoethanol, 1 mM EDTA, 1 mM EGTA, 30% glycerol, pH 6.8.

PURITY: ≥90% by SDS-PAGE

STORAGE CONDITIONS:

Store at -70°C, stable for at least 1 year as supplied. Avoid freeze/thaw cycles.

APPLICATIONS:

Recombinant Cathepsin L is useful in inhibitor screening, kinetic studies, and cleavage of substrates *in vitro* or in tissue culture.

REFERENCES:

1. Josepg, L.J., *et al.* (1988) *J. Clin. Invest.* 81:1621-1626.
2. Turk, V., *et al.* (2001) *EMBO J.* 20:4629-4634.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Additional Apoptosis Kits & Reagents

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

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- 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

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione Fluorometric & Colorimetric Assay Kits
- Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

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

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit

Antibodies & Recombinant Proteins (many)