

Active Human Cathepsin H

CATALOG NO: 1023-5

AMOUNT: 5 µg

BACKGROUND: A more basic protein than Cathepsin B or L. Functions as both an aminopeptidase and endopeptidase. Cathepsin H, like cathepsin L and B, is involved in the catabolism of proteins in the lysosomal system.

SOURCE: Purified from human liver

FORM: Frozen liquid (15 µl) in 50 mM sodium acetate, pH 5.5, with 1 mM EDTA and 100 mM NaCl

PURITY: ≥95% by SDS-PAGE

STORAGE CONDITIONS: Store at -80°C, stable for at least 1 year as supplied. Avoid freeze/thaw cycles.

APPLICATIONS: Human Cathepsin H is useful in inhibitor screening, kinetic studies, cleavage of substrates and other *in vitro* applications.

SPECIFIC ACTIVITY: 1.96 units/mg protein. One unit is defined as the amount of enzyme that hydrolyzes one µmol Arg-AFC substrate per minute at 37°C, pH 6.8, with 750 mM potassium phosphate, 1 mM EDTA and 3 mM cysteine.

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.

For Research Use Only! Not to be used in human subjects.

RELATED PRODUCTS:

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- Annexin V Kits & Bulk Reagents
- 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

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

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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