

Active Recombinant Human Granzyme B

CATALOG #: 1118-5

AMOUNT: 5 µg

LOT #: 12028

DESCRIPTION:

Granzyme B is a serine protease stored in granules of activated cytotoxic T cells and NK cells. Upon target cell contact, granzyme B is directionally exocytosed and assisted by perforin, enters the target cell. With its unique substrate specificity (granzyme B cleaves after Asp), granzyme B processes and activates various pro-caspases thereby inducing apoptosis in the target cell.

SOURCE: *E. coli*

FORM: Liquid. In PBS containing 10% glycerol.

CONCENTRATION: 0.2 mg/ml

MOL. WEIGHT: 29 kDa

SPECIFIC ACTIVITY: 16.12 units/µg protein

UNIT DEFINATION: One unit is defined as the amount of enzyme that hydrolyzes 1 nmol/min of Ac-IETD-PNA per min at 25°C in 50 mM Tris, pH 8.0 containing 150 mM NaCl and 0.01% Triton X-100.

STORAGE: -80°C

SHIPPING: Dry Ice

FOR RESEARCH USE ONLY! Not to be used in humans.

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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

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

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

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
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