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A Geno Technology, Inc. (USA) brand name

Active Recombinant Human Caspase-10

(Cat. #RCH-010)



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INTRODUCTION

Caspase-10 is a member of the interleukin-1 β converting enzyme (ICE) family of cysteine proteases. Like other caspases, caspase-10 also exists in cells as an inactive pro-enzyme. During apoptosis procaspase-10 is processed at aspartate residues by self-proteolysis and/or cleavage by upstream caspases. The processed form of caspase-10 consists of large (18kDa) and small (11kDa) sub units, which associate to form the active enzyme.

ITEM(S) SUPPLIED (Cat. # RCH-010)

Description	Size
Active Recombinant Human Caspase-10 (Lyophilized)	25 Units x 1 vial

STORAGE CONDITIONS

It is shipped in blue ice. The lyophilized caspase-10 is stable for 1 year at -70°C. Following reconstitution in PBS, the enzyme should be aliquoted and stored at -70°C.

Note: Avoid multiple freeze/thaw cycles as activity might decrease.

UNIT DEFINITION

One unit of the recombinant caspase-10 is the enzyme activity that cleaves 1nmol of the caspase substrate IETD-pNA (pNA: pNitroaniline) per hour at 37°C in a reaction solution containing 50mM HEPES, pH 7.2, 50mM NaCl, 0.1% CHAPS, 10mM EDTA, 5% Glycerol and 10mM DTT.

Specific Activity: 8,000 units/mg

PREPARATION BEFORE USE

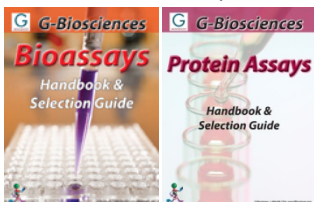
Reconstitute the supplied Active Recombinant Caspase-10 to 1 unit per μ l in PBS.

APPLICATIONS AND USAGE

The active recombinant human caspase-10 was expressed in E. coli. The active caspase-10 effectively cleaves caspase-10 substrate. Active caspase-10 enzyme is useful in screening caspase inhibitors, studying enzyme regulation and kinetics and determining target substrate. It also can be used as a positive control in caspase-10 activity assays. We recommend using 1 unit per assay for analyzing caspase activity.

RELATED PRODUCTS

Download our Bioassays and Protein Assays Handbook.



<http://info2.qbiosciences.com/complete-bioassay-handbook>

<http://info2.qbiosciences.com/complete-protein-assay-guide>

For other related products, visit our website at www.GBiosciences.com or contact us.

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