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A Geno Technology, Inc. (USA) brand name

Active Recombinant Human Caspase-9

(Cat. #RCH-009)

INTRODUCTION

Caspase-9 is a member of the interleukin-1 β converting enzyme (ICE) family of cysteine proteases. Like other caspases, caspase-9 also exists in cells as an inactive pro-enzyme. During apoptosis procaspase-9 is processed at aspartate residues to form active caspase-9.

ITEM(S) SUPPLIED

Cat. #	Description	Size
RCH-009	Active Recombinant Human Caspase-9 (Lyophilized)	25 Units

STORAGE CONDITIONS

It is shipped in blue ice. The lyophilized caspase-9 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-9 is the enzyme activity that cleaves 1nmol of the caspase substrate LEHD-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.

PREPARATION BEFORE USE

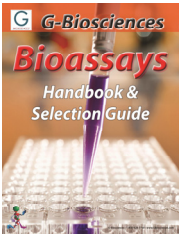
Reconstitute the supplied Active Recombinant Caspase-9 to 1 unit per µl in PBS.

APPLICATIONS AND USAGE

The active recombinant human caspase-9 was expressed in *E. coli.* The active caspase-9 effectively cleaves caspase-9 substrates. Active caspase-9 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-9 activity assays. We recommend using 1 unit per assay for analyzing caspase activity.

RELATED PRODUCTS

Download our Bioassays Handbook.



http://info2.gbiosciences.com/complete-bioassay-handbook

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