Creative Enzymes®

Native α-lytic protease

Cat. No. NATE-0052

Lot. No. (See product label)

Introduction

Description Alpha-lytic protease (aLP) is an alternative specificity protease for proteomics applications. This protease cleaves after T, A, S, and V residues. It geneRates peptides of similar average length as trypsin. aLP was first isolated from the myxobacterium Lysobacter enzymogenes. The pro-form of aLP is 397 amino acids long. In its mature form, aLP is 198 amino acids long. Its tertiary structural core resembles those of pancreatic serine proteases.

Synonyms Alpha-lytic protease; myxobacter α-lytic proteinase; α-lytic proteinase; α-lytic protease; Mycobacterium sorangium α-lytic proteinase; Myxobacter 495 α-lytic proteinase; Alp

Product Information

Form Supplied as a solution in 10 mM sodium acetate buffer, pH 5.0.

Isoelectric point 9.69

Optimum pH 5.0 (storage); 7.5 (activity)

Unit Definition One unit will produce one mmole of p-nitroaniline per minute from N-succinyl-Ala-Ala-Ala-PNA at 25°C at pH 7.5

Storage and Shipping Information

Storage −70°C