Creative Enzymes®

α-Lytic Protease M190A Mutant, Recombinant

Cat. No. NATE-0051

Lot. No. (See product label)

Introduction

Description	Alpha-lytic protease (aLP) is an alternative specificity protease for proteomics applications, whose wild-type (WT) version cleaves after T, A, S, and V residues. The M190A (Met190 → Ala190) mutant of aLP has different cleavage specificities, and cleaves after M, F, and L residues. Both the WT and M190A forms of aLP geneRate peptides of similar average length as trypsin.
Synonyms	ALP M190A; Alpha-Lytic Protease M190A Mutant

Product Information

Activity	> 0.05 U/mg
Isoelectric point	9.69
Optimum pH	5.0(storage); 7.5(activity)
Unit Definition	mmols of pNA produced per min per mg protein from 0.5 mM N-succinyl-Ala-Ala-Pro-Phe-PNA at 25°C in 100 mM Tris-HCl (pH 7.5).

Storage and Shipping Information

Storage	−70°C