Creative Enzymes®

Native Staphylococcus staphylolyticus Lysostaphin

Cat. No. NATE-0429

Lot. No. (See product label)

Introduction

Description	Lysostaphin is a Staphylococcus simulans metalloendopeptidase. It can function as an antimicrobial against Staphylococcus aureus. Lysostaphin is a 27 KDa glycylglycine endopeptidase, an antibacterial enzyme which is capable of cleaving the crosslinking pentaglycin bridges in the cell wall of Staphylococci.
Synonyms	Lysostaphin; EC 3.4.24.75; glycyl-glycine endopeptidase; 9011-93-2

Product Information

Source	Staphylococcus staphylolyticus
Form	lyophilized powder
EC Number	EC 3.4.24.75
CAS No.	9011-93-2
Activity	Type I, > 2,000 units/mg protein; Type II, > 500 units/mg protein.
Optimum pH	7.5
Unit Definition	One unit will reduce the turbidity of a suspension of Staphylococcus aureus cells from 0.250 to 0.125 in 10 min at pH 7.5 at 37°C in a 6.0 ml reaction mixture.

Storage and Shipping Information

Storage	−20°C