

Lysostaphin from Staphylococcus simulans, Recombinant

Cat. No. NATE-0430

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.

Applications

Lysostaphin from Staphylococcus simulans has been used in a study to assess molecular cloning, sequencing, and expression of lytM, a unique autolytic gene of Staphylococcus aureus. It has also been used in a study to investigate the sequence analysis of a Staphylococcus aureus gene encoding a peptidoglycan hydrolase activity.

Synonyms

Lysostaphin; EC 3.4.24.75; glycyl-glycine endopeptidase; 9011-93-2

Product Information

Species

Staphylococcus simulans

Source

E. coli

Form

Type I, lyophilized powder, Contains potassium phosphate buffer salts and sodium chloride; Type II, 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.

Storage and Shipping Information

Storage

-20°C