



## Product Datasheet

<b>Product Name</b>	Lysostaphin Recombinant
<b>Cata No</b>	CB500448
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	Lysostaphin, EC 3.4.24.75, Glycyl-glycine endopeptidase.

### Description

Lysostaphin, an endopeptidase specific for the cell wall peptidoglycan of staphylococci, is an extremely potent anti-staphylococcal agent. Lysostaphin is used as a research and diagnostic tool. Because it lyses staphylococci efficiently, it is widely used when preparing staphylococcal DNA or other cellular components for genetic and biochemical studies and for the preparation of protoplasts for transformation. Preparation and analysis of bacterial DNA has become a powerful tool used by clinical and other microbiologists in epidemiological studies aimed at tracing sources of infection or bacterial contamination.

### Physical Appearance

Sterile Filtered lyophilized powder.

### Biological Activity

Determined by the decrease in turbidity of a suspension of heat-killed *Staphylococcus aureus* at pH8.0, 30°C.

### Purity

97.5% as determined by RP-HPLC.

### Formulation

The protein was lyophilized without any additives.

### Stability

Lysostaphin although stable at 4°C for 6 months, should be stored desiccated below -18°C.

**Please prevent freeze-thaw cycles.**