

## Lysostaphin Recombinant

<b>Item Number</b>	rAP-1463
<b>Synonyms</b>	Lysostaphin, EC 3.4.24.75, Glycyl-glycine endopeptidase.
<b>Description</b>	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
<b>Uniprot Accession Number</b>	P10547
<b>Amino Acid Sequence</b>	
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered lyophilized powder. Lysostaphin although stable at 4°C for 6 months, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	The protein was lyophilized without any additives. 98.4% as determined by RP-HPLC.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized Lysostaphin in 20mM sodium acetate, pH 4.5, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	Determined by the decrease in turbidity of a suspension of heat-killed Staphylococcus aureus at pH8.0, 30° C. For a reaction buffer it is recommended to work with 200mM Tris-HCl pH 8.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**