

## 溶葡萄球菌酶

### Lysostaphin from *Staphylococcus simulans*

货号: D10379

规格: 1mg

保存: -20℃保存

#### 产品描述:

Lysostaphin possesses a lytic action against *Staphylococcus aureus*, which is used to treat antibiotic-resistant staphylococcal infections. It has the properties of enzymes, such as glycylglycine endopeptidase, endo- $\beta$ -N-acetyl glucosamidase and N-acetyl muramyl-L-alanine amidase. Lysostaphin is also used as a preservative in food industry and in clinical labs for rapid screening. The antimicrobial activity of lysostaphin, a metalloendopeptidase expressed by *Staphylococcus simulans*, is enhanced by binding to the C' terminus of the membrane-associated Trap protein of *Staphylococcus aureus*.

#### 产品性质:

级别/纯度:	BR, $\geq 90\%$ (HPLC)
CAS:	9011-93-2
MDL:	MFCD00131556
分子量:	27kDa
来源:	Recombinant, Expressed in <i>E. coli</i> .
外观/性状:	lyophilized powder
溶解性:	可溶于 50mmol/L Tris 缓冲液
敏感性:	易吸潮
活性:	<p><math>\geq 3000</math> unit/mg solid</p> <p>酶活性定义: One unit will reduce the turbidity (A620) of a suspension of <i>Staphylococcus aureus</i> cells from 0.250 to 0.125 in 10 min at pH 7.5 at 37°C in a 6.0 ml reaction mixture.</p> <p>等电点: 10.5-11.0。</p> <p>酶活性最适 pH 范围: 10 ~ 11。</p> <p>影响因素: 羟汞苯甲酸 (PCMB)、苯甲磺酰氯 (PMSF)、二硫苏糖醇 (DTT) 等在 1mmol/L 的条件下, 对酶活力无明显影响, Zn 离子表现出某种程度的活化效应; Ba 离子、Mn 离子、Ca 离子、Mg 离子和 EDTA 在 1mmol/L 的条件下, 对溶葡萄球菌酶表现出一定程度的抑制作用</p>
用途:	生化研究。专一降解金黄色葡萄球菌等细胞壁具有甘氨酸肽键结构的细菌, 通过裂解其细胞壁达到杀菌的目的。