



Product Information

Recombinant *Streptococcus pneumoniae* lysozyme 25A

Cat. No.: X23-08-YM242

Size: 1 mg; 2 mg; 3 mg; 6 mg

Enzyme Commission Number: 3.2.1.17

Synonym: SpLys25A; Muramidase

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Recombinant <i>Streptococcus pneumoniae</i> lysozyme 25A produced by <i>Escherichia coli</i> , is involved in the hydrolysis of 1,4- β -linkages between <i>N</i> -acetylmuramic acid and <i>N</i> -acetyl-glucosamine residues in peptidoglycan, as well as between <i>N</i> -acetyl-D-glucosamine residues in chitodextrins.
Expression System	<i>Escherichia coli</i>
Species	<i>Streptococcus pneumoniae</i>
Concentration	1 mg/mL
Form	Liquid
Purity	$\geq 90\%$, determined by SDS-PAGE.
Activity	Lysozymes
Buffer	35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM imidazole, 3.5 mM CaCl ₂ , and 25% (v/v) glycerol
Applications	Recombinant <i>Streptococcus pneumoniae</i> lysozyme 25A can be used as an antibacterial agent in the research for the food industry. It has the ability to hydrolyze 4-nitrophenyl- α -D-glucuronopyranoside.
Storage	Store at -20°C.