



## Product Information

### Recombinant *Bacillus subtilis* lysozyme 23A

**Cat. No.:** X23-08-YM067

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

**Enzyme Commission Number:** 3.2.1.17

**Synonym:** BsLys23A; Muramidase

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

#### Product Information

<b>Description</b>	Recombinant <i>Bacillus subtilis</i> lysozyme 23A produced by <i>Escherichia coli</i> , is involved in the hydrolysis of 1,4- $\beta$ -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.
<b>Expression System</b>	<i>Escherichia coli</i>
<b>Species</b>	<i>Bacillus subtilis</i>
<b>Concentration</b>	1 mg/mL
<b>Form</b>	Liquid
<b>Purity</b>	$\geq 90\%$ , determined by SDS-PAGE.
<b>Activity</b>	Lysozymes
<b>Buffer</b>	35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM imidazole, 3.5 mM CaCl <sub>2</sub> , and 25% (v/v) glycerol
<b>Applications</b>	Recombinant <i>Bacillus subtilis</i> lysozyme 23A can be used as an antibacterial agent in research for the food industry. It has the ability to hydrolyze peptidoglycans.
<b>Storage</b>	Store at -20°C.