



## Product Information

### Recombinant *Geobacillus stearothermophilus* xylanase 10A

**Cat. No.:** X23-08-YM509

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

**Enzyme Commission Number:** 3.2.1.8

**Synonym:** GsXyn10A; *Endo*-(1→4)- $\beta$ -xylan 4-xylanohydrolase; 4-Beta-D-xylan xylanohydrolase

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

#### Product Information

<b>Description</b>	Recombinant <i>Geobacillus stearothermophilus</i> xylanase 10A produced by <i>Escherichia coli</i> , belongs to hydrolase that attacks hemicellulose to give rise to a mixture of xylooligosaccharides (XOSs) of various sizes.
<b>Expression System</b>	<i>Escherichia coli</i>
<b>Species</b>	<i>Geobacillus stearothermophilus</i>
<b>Concentration</b>	1 mg/mL
<b>Form</b>	Liquid
<b>Purity</b>	$\geq 90\%$ , determined by SDS-PAGE.
<b>Activity</b>	Xylanases
<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>Geobacillus stearothermophilus</i> xylanase 10A can be used in carbohydrate research for the food industry. It has the ability to hydrolyze 1,4- $\beta$ -xylans.
<b>Storage</b>	Store at -20°C.