



## Product Information

### Recombinant *Bacteroides thetaiotaomicron* $\beta$ -mannosidase 2A

**Cat. No.:** X23-08-YM298

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

**Enzyme Commission Number:** 3.2.1.25

**Synonym:** BtMns2A; Mannan *endo*-1,4- $\beta$ -mannosidase; *Endo*- $\beta$ -1,4-mannase;  $\beta$ -D-Mannanase

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

#### Product Information

<b>Description</b>	Recombinant <i>Bacteroides thetaiotaomicron</i> $\beta$ -mannosidase 2A produced by <i>Escherichia coli</i> , is responsible for the enzymatic cleavage of $\beta$ -1,4-mannans and plays a key role in the germination of seeds and microbial hemicellulose degradation.
<b>Expression System</b>	<i>Escherichia coli</i>
<b>Species</b>	<i>Bacteroides thetaiotaomicron</i>
<b>Concentration</b>	1 mg/mL
<b>Form</b>	Liquid
<b>Purity</b>	$\geq 90\%$ , determined by SDS-PAGE.
<b>Activity</b>	$\beta$ -Mannosidases
<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>Bacteroides thetaiotaomicron</i> $\beta$ -mannosidase 2A can be used in industrial and consumer production. It has the ability to hydrolyze 4-nitrophenyl- $\alpha$ -glucopyranoside (GlcpbNp), 4-nitrophenyl- $\beta$ -D-mannopyranoside, arabinoxylans, xylose.
<b>Storage</b>	Store at -20°C.