



## Product Information

### Recombinant *Bifidobacterium adolescentis* oligo-1,6- $\alpha$ -glucosidase 13A

**Cat. No.:** X23-08-YM116

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

**Enzyme Commission Number:** 3.2.1.10

**Synonym:** BaAgl13A; Oligosaccharide 6- $\alpha$ -glucohydrolase

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

#### Product Information

<b>Description</b>	Recombinant <i>Bifidobacterium adolescentis</i> oligo-1,6- $\alpha$ -glucosidase 13A produced by <i>Escherichia coli</i> , is responsible for hydrolyzing $\alpha$ -1,6-glucoside bonds from the non-reducing ends of isomaltooligosaccharides and palatinose.
<b>Expression System</b>	<i>Escherichia coli</i>
<b>Species</b>	<i>Bifidobacterium adolescentis</i>
<b>Concentration</b>	1 mg/mL
<b>Form</b>	Liquid
<b>Purity</b>	$\geq 90\%$ , determined by SDS-PAGE.
<b>Activity</b>	$\alpha$ -Glucosidases
<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>Bifidobacterium adolescentis</i> oligo-1,6- $\alpha$ -glucosidase 13A can be used in carbohydrate, biofuels, and dietary fiber research. It has the ability to hydrolyze 4-nitrophenyl- $\alpha$ -glucoside, isomaltose.
<b>Storage</b>	Store at -20°C.