



## Product Information

### Recombinant *Clostridium acetobutylicum* phospho- $\alpha$ -glucosidase 4A

**Cat. No.:** X23-08-YM228

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

**Enzyme Commission Number:** 3.2.1.122

**Synonym:** CaPag4A; Maltose-6'-phosphate 6-phosphoglucohydrolase

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

#### Product Information

<b>Description</b>	Recombinant <i>Clostridium acetobutylicum</i> phospho- $\alpha$ -glucosidase 4A produced by <i>Escherichia coli</i> , belongs to the glycoside hydrolase family 4 (GH4) and consists of a single domain.
<b>Expression System</b>	<i>Escherichia coli</i>
<b>Species</b>	<i>Clostridium acetobutylicum</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>Clostridium acetobutylicum</i> phospho- $\alpha$ -glucosidase 4A can be used for glycobiology research. It has the ability to hydrolyze 4-nitrophenyl- $\alpha$ -D-glucopyranoside-6P, phospho- $\alpha$ -glucosidase.
<b>Storage</b>	Store at -20°C.