



## Product Information

### Recombinant *Streptococcus pyogenes* phospho- $\beta$ -glucosidase 1B

**Cat. No.:** X23-08-YM045

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

**Enzyme Commission Number:** 3.2.1.86

**Synonym:** SpPbg1B; Phosphocellobiase; 6-Phospho-beta-D-glucosyl-(1,4)-D-glucose glucohydrolase

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

#### Product Information

<b>Description</b>	Recombinant <i>Streptococcus pyogenes</i> phospho- $\beta$ -glucosidase 1B produced by <i>Escherichia coli</i> , has the E.C. number 3.2.1.86 and is a 6-phospho- $\beta$ -glucosidase enzyme.
<b>Expression System</b>	<i>Escherichia coli</i>
<b>Species</b>	<i>Streptococcus pyogenes</i>
<b>Concentration</b>	1 mg/mL
<b>Form</b>	Liquid
<b>Purity</b>	$\geq 90\%$ , determined by SDS-PAGE.
<b>Activity</b>	Phospho- $\beta$ -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>Streptococcus pyogenes</i> phospho- $\beta$ -glucosidase 1B can be used in carbohydrate and biofuel research. It has the ability to hydrolyze aryl-phospho- $\beta$ -glucosides, cellobiose-6-phosphate.
<b>Storage</b>	Store at -20°C.