



Product Information

Recombinant *Lactococcus lactis* phospho- β -galactosidase 1A

Cat. No.: X23-08-YM033

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

Enzyme Commission Number: 3.2.1.85

Synonym: *L/Pbl1A*; 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

Description	Recombinant <i>Lactococcus lactis</i> phospho- β -galactosidase 1A produced by <i>Escherichia coli</i> , has the E.C. number 3.2.1.86 and is a 6-phospho- β -glucosidase enzyme.
Expression System	<i>Escherichia coli</i>
Species	<i>Lactococcus lactis</i>
Concentration	1 mg/mL
Form	Liquid
Purity	$\geq 90\%$, determined by SDS-PAGE.
Activity	Phospho- β -Galactosidases
Buffer	35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM imidazole, 3.5 mM CaCl ₂ , and 25% (v/v) glycerol
Applications	Recombinant <i>Lactococcus lactis</i> phospho- β -galactosidase 1A can be used in carbohydrate and biofuel research. It has the ability to hydrolyze <i>O</i> -nitrophenyl P-D-galactopyranoside (ONPG), and <i>o</i> -nitrophenyl P-galactopyranoside 6-phosphate (ONPG-6P7).
Storage	Store at -20°C.