

## Phospho-β-Glucosidase 1A from Lactobacillus gasseri, Recombinant

Cat. No. NATE-1440

Lot. No. (See product label)

### Introduction

**Description** In enzymology, a 6-phospho-beta-glucosidase (EC 3.2.1.86) is an enzyme that catalyzes the chemical reaction: 6-phospho-beta-D-glucosyl-(1,4)-D-glucose + H<sub>2</sub>O → D-glucose + D-glucose 6-phosphate. Thus, the two substrates of this enzyme are 6-phospho-beta-D-glucosyl-(1,4)-D-glucose and H<sub>2</sub>O, whereas its two products are D-glucose and D-glucose 6-phosphate. This enzyme belongs to the family of hydrolases, specifically those glycosidases that hydrolyse O- and S-glycosyl compounds.

**Synonyms** 6-phospho-beta-D-glucosyl-(1,4)-D-glucose glucohydrolase; phospho-beta-glucosidase A; phospho-beta-glucosidase; phosphocellobiase; 6-phospho-beta-glucosidase; EC 3.2.1.86; Phospho-β-Glucosidase

### Product Information

**Species** Lactobacillus gasseri

**Source** E. coli

**Form** 35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl<sub>2</sub>, 0.02% sodium azide and 25% (v/v) glycerol

**EC Number** EC 3.2.1.86

**CAS No.** 37205-51-9

**Molecular Weight** 57.2 kDa

**Purity** >90% by SDS-PAGE

**Concentration** 1 mg/mL

**Specificity** Lactose 6-phosphate

### Storage and Shipping Information

**Storage** This enzyme is shipped at room temperature but should be stored at -20 °C.