

## β-phosphoglucomutase

Cat. No. EXWM-5528

Lot. No. (See product label)

### Introduction

**Description** The enzyme requires Mg<sup>2+</sup> and phosphorylation of an aspartate residue at the active site. The enzyme is able to autophosphorylate itself with its substrate β-D-glucose 1-phosphate. Although this is a slow reaction, only a single turnover is required for activation. Once the phosphorylated enzyme is formed, it generates the reaction intermediate β-D-glucose 1,6-bisphosphate, which can be used to phosphorylate the enzyme in subsequent cycles. cf. EC 5.4.2.2, phosphoglucomutase (α-D-glucose-1,6-bisphosphate-dependent).

**Synonyms** β-pgm (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 5.4.2.6

**CAS No.** 68651-99-0

**Reaction** β-D-glucose 1-phosphate = β-D-glucose 6-phosphate

**Notes** This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

**Storage** Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.