Creative Enzymes®

β-phosphoglucomutase

Cat. No. EXWM-5528

Lot. No. (See product label)

Introduction

Description	The enzyme requires Mg2+ 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.