

## phosphoglucumutase ( $\alpha$ -D-glucose-1,6-bisphosphate-dependent)

Cat. No. EXWM-5524

Lot. No. (See product label)

### Introduction

#### Description

Maximum activity is only obtained in the presence of  $\alpha$ -D-glucose 1,6-bisphosphate. This bisphosphate is an intermediate in the reaction, being formed by transfer of a phosphate residue from the enzyme to the substrate, but the dissociation of bisphosphate from the enzyme complex is much slower than the overall isomerization. The enzyme also catalyses (more slowly) the interconversion of 1-phosphate and 6-phosphate isomers of many other  $\alpha$ -D-hexoses, and the interconversion of  $\alpha$ -D-ribose 1-phosphate and 5-phosphate. cf. EC 5.4.2.5, phosphoglucumutase (glucose-cofactor).

#### Synonyms

glucose phosphomutase; phosphoglucose mutase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 5.4.2.2

#### CAS No.

9001-81-4

#### Reaction

$\alpha$ -D-glucose 1-phosphate = 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.