

## Phosphoglucose isomerase from *Bacillus subtilis*, Recombinant

Cat. No. NATE-1117

Lot. No. (See product label)

### Introduction

#### Description

Phosphoglucose Isomerase (PGI) is an enzyme crucial for the interconversion of D-glucose 6-phosphate and D-fructose 6-phosphate. PGI is responsible for the second step of glycolysis and is involved in glucogenesis. It is highly conserved in bacteria and eukaryotes.

#### Synonyms

Glucose-6-phosphate isomerase; EC 5.3.1.9; phosphohexose isomerase; phosphohexomutase; oxoisomerase; hexosephosphate isomerase; phosphosaccharomutase; phosphoglucoisomerase; phosphohexoisomerase; phosphoglucose isomerase; glucose phosphate isomerase; hexose phosphate isomerase; D-glucose-6-phosphate ketol-isomerase; 9001-41-6; PGI

### Product Information

**Source** Bacillus subtilis

**Form** Liquid

**EC Number** EC 5.3.1.9

**CAS No.** 9001-41-6

**Molecular Weight** ~ 50.5kD

**Activity** ~ 60 U/mg protein

**Unit Definition** One unit is the amount of enzyme required to convert one  $\mu$ mole of D-fructose 6-phosphate to D-glucose 6-phosphate at pH 7.6.

### Storage and Shipping Information

**Storage** 4°C