Creative Enzymes®

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 μmole of D-fructose 6-phosphate to D-glucose 6-phosphate at pH 7.6.

Storage and Shipping Information

Storage	4°C