

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

Storage and Shipping Information

Storage 4°C