

Phosphoglucose isomerase (PGI)

Cat. No. PIGZ-0001

Lot. No. (See product label)

Introduction

Description Phosphoglucose isomerase is a yeast-derived enzyme that catalyzes the reversible isomerization between glucose 6-phosphate and fructose 6-phosphate.

Applications Biochemical research; carbohydrate analysis; hexose-phosphate isomerization assays.

Synonyms Glucose-6-phosphate isomerase; Phosphohexose isomerase; Phosphoglucose isomerase; D-glucose-6-phosphate ketol-isomerase

Product Information

Species Yeast

Source Yeast

Form Liquid

EC Number EC 5.3.1.9

CAS No. 9001-41-6

Activity 500–800 U/mg

Specific Activity 500–800 U/mg

Specificity D-glucose 6-phosphate and D-fructose 6-phosphate.

Function Catalyzes the reversible aldose-ketose isomerization of hexose 6-phosphates.

Substrates D-glucose 6-phosphate; D-fructose 6-phosphate.

Grade Biochemical Reagent (BR)

Reaction α -D-Glucose 6-phosphate $\rightleftharpoons$ β -D-fructofuranose 6-phosphate.

Usage For research use in carbohydrate analysis and enzymatic hexose-phosphate interconversion assays.

Usage and Packaging

Package 1 KU 5 KU