Creative Enzymes®

Native Rabbit Phosphoglucose Isomerase

Cat. No. NATE-0555

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.
Applications	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. It is used in sugar assays to convert fructose to glucose. This product is type XI and is from rabbit muscle. It is useful in enzyme systems requiring low sulfate.
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

Species	Rabbit
Source	Rabbit muscle
Form	lyophilized powder; Essentially sulfate-free powder containing Citrate buffer salts
EC Number	EC 5.3.1.9
CAS No.	9001-41-6
Activity	> 200 units/mg protein
Unit Definition	One unit will convert 1.0 µmole of D-fructose 6-phosphate to D-glucose 6-phosphate per min at pH 7.4 at 25°C.

Storage and Shipping Information

Storage	−20°C