

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 gluconeogenesis. 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 gluconeogenesis. 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 μ mole 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