

Native *Bacillus stearothermophilus* Phosphoglucose isomerase

Cat. No. DIA-162

Lot. No. (See product label)

Introduction

Description Glucose-6-phosphate isomerase is an enzyme that catalyzes the conversion of glucose-6-phosphate into fructose 6-phosphate in the second step of glycolysis. The human variant of this enzyme is encoded by the GPI gene.

Synonyms Glucose-6-phosphate isomerase; phosphoglucose isomerase; phosphohexose isomerase; EC 5.3.1.9; phosphohexomutase; oxoisomerase; hexosephosphate isomerase; phosphosaccharomutase; phosphoglucoisomerase; phosphohexoisomerase; glucose phosphate isomerase; hexose phosphate isomerase; D-glucose-6-phosphate ketol-isomerase

Product Information

Source	Bacillus stearothermophilus
Appearance	White powder
Form	Freeze dried powder
EC Number	EC 5.3.1.9
CAS No.	9001-41-6
Activity	> 250 U/mg
Contaminants	NADPH oxidase < 0.01%; ATPase < 0.005%
pH Stability	6.5-10.5 (37°C, 60 mins)
Optimum pH	9.5
Thermal stability	Stable at 60°C and below (pH 7.5, 15 mins)

Storage and Shipping Information

Storage Store in tightly closed containers, desiccated, protected from light, at -20°C.