Creative Enzymes®

β-Phosphoglucomutase from Lactococcus sp., Recombinant

Cat. No. NATE-0933

Lot. No. (See product label)

Introduction

Description Enzymatically converts β-D-glucose-1-phosphate to β-D-glucose-6-phosphate. β-Phosphoglucomutase enzymatically converts β-D-glucose 1-phosphate to β-D-glucose 6-phosphate. It is involved in starch and sucrose metabolism. This enzyme belongs to the family of isomerases, specifically the phosphotransferases (phosphomutases), which transfer phosphate groups within a molecule. This enzyme participates in starch and sucrose metabolism.

Applications β-Phosphoglucomutase is used to study starch and sucrose metabolism. It is used for the determination of α-amylase in clinical analysis. It is used to study galactose utilization and generalized glycogenosis (Pompe's Disease).

Synonyms β-phosphoglucomutase; β-D-glucose 1,6-phosphomutase; EC 5.4.2.6

Product Information

Species Lactococcus sp.

Source E. coli

EC Number EC 5.4.2.6

CAS No. 68651-99-0

Activity >10 unit/mg solid

Unit Definition One unit is defined as the amount of enzyme which converts 1μmol of β-D-glucose-1-phosphate to β-D-glucose-6-phosphate per minute at 37°C and pH 7.0.

Usage and Packaging

Package 250, 1000 units in poly bottle

Storage and Shipping Information

Storage Store at -20°C