Creative Enzymes®

Native Microbial α-phosphoglucomutase

Cat. No. DIA-265

Lot. No. (See product label)

Introduction

Description Phosphoglucomutase (EC 5.4.2.2) is an enzyme that transfers a phosphate group on an α-D-glucose monomer from the 1' to the 6' position in the forward direction or the 6' to the 1' position in the reverse direction. More precisely, it facilitates the interconversion of glucose 1-phosphate and glucose 6-phosphate.

Synonyms α-phosphoglucomutase; Phosphoglucomutase; EC 5.4.2.2; Phosphoglucomutase (alpha-D-glucose-1,6-bisphosphate-dependent); Glucose phosphomutase; Phosphoglucose mutase

Product Information

Source Microbial

EC Number EC 5.4.2.2

CAS No. 9001-81-4

Molecular Weight MW ~ 59.2 kDa

Isoelectric point pI ~ 5.7

pH Stability 6.0-9.0 (> 75% control activity after 24 hours at 4°C)

Thermal stability up to 40°C (> 90% control activity after 15 min.)

Composition Amino acid composition has been reported by Squire et al. (1964).