Creative Enzymes®

phosphoglucosamine mutase

Cat. No. EXWM-5521

Lot. No. (See product label)

Introduction

Description	The enzyme is involved in the pathway for bacterial cell-wall peptidoglycan and lipopolysaccharide biosyntheses, being an essential step in the pathway for UDP-N-acetylglucosamine biosynthesis. The enzyme from Escherichia coli is activated by phosphorylation and can be autophosphorylated in vitro by α-D-glucosamine 1,6-bisphosphate, which is an intermediate in the reaction, α-D-glucose 1,6-bisphosphate or ATP. It can also catalyse the interconversion of α-D-glucose 1-phosphate and glucose 6-phosphate, although at a much lower rate.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 5.4.2.10
CAS No.	9031-92-9
Reaction	α-D-glucosamine 1-phosphate = D-glucosamine 6-phosphate
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.