

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.