Creative Enzymes®

mannosyl-3-phosphoglycerate synthase

Cat. No. EXWM-2445

Lot. No. (See product label)

Introduction

Description	Requires Mg2+. The enzyme is absolutely specific for GDPmannose and 3-phosphoglycerate, and transfers the mannosyl group with retention of configuration. In the hyperthermophilic archaeon Pyrococcus horikoshii, the mannosyl-3-phosphoglycerate formed is subsequently dephosphorylated by a specific phosphatase, EC 3.1.3.70 (mannosyl-3-phosphoglycerate phosphatase), producing mannosylglycerate.
Synonyms	MPG synthase; GDP-mannose:3-phosphoglycerate 3-α-D-mannosyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.217
CAS No.	393512-63-5
Reaction	GDP-mannose + 3-phospho-D-glycerate = GDP + 2-(α-D-mannosyl)-3-phosphoglycerate
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 ℃.