

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