Creative Enzymes®

glucosyl-3-phosphoglycerate phosphatase

Cat. No. EXWM-3691

Lot. No. (See product label)

Introduction

Description	The enzyme is involved in biosynthesis of 2-O-(α-D-glucopyranosyl)-D-glycerate via the two-step pathway in which EC 2.4.1.266 (glucosyl-3-phosphoglycerate synthase) catalyses the conversion of GDP-glucose and 3-phospho-D-glycerate into 2-O-(α-D-glucopyranosyl)-3-phospho-D-glycerate, which is then converted to 2-O-(α-D-glucopyranosyl)-D-glycerate by glucosyl-3-phosphoglycerate phosphatase. In vivo the enzyme catalyses the dephosphorylation of 2-O-(α-D-mannopyranosyl)-3-phospho-D-glycerate with lower efficiency. Divalent metal ions (Mg2+, Mn2+ or Co2+) stimulate activity.
Synonyms	GpgP protein

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.1.3.85
Reaction	2-O-(α-D-glucopyranosyl)-3-phospho-D-glycerate + H2O = 2-O-(α-D-glucopyranosyl)-D-glycerate + 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 ℃.