Creative Enzymes®

bisphosphoglycerate mutase

Cat. No. EXWM-5526

Lot. No. (See product label)

Introduction

Description	In the direction shown, this enzyme is phosphorylated by 3-phosphoglyceroyl phosphate, to give phosphoenzyme and 3-phosphoglycerate. The latter is rephosphorylated by the enzyme to yield 2,3-bisphosphoglycerate, but this reaction is slowed by dissociation of 3-phosphoglycerate from the enzyme, which is therefore more active in the presence of added 3-phosphoglycerate. This enzyme also catalyses, slowly, the reactions of EC 3.1.3.13 (bisphosphoglycerate phosphatase), EC 5.4.2.11 [phosphoglycerate mutase (2,3-diphosphoglycerate-dependent)] and EC 5.4.2.12 [phosphoglycerate mutase (2,3-diphosphoglycerate-independent)].
Synonyms	diphosphoglycerate mutase; glycerate phosphomutase; bisphosphoglycerate synthase; bisphosphoglyceromutase; biphosphoglycerate synthase; diphosphoglyceric mutase; 2,3-diphosphoglycerate mutase; phosphoglyceromutase; 2,3-diphosphoglycerate synthase; DPGM; 2,3-bisphosphoglycerate mutase; BPGM; diphosphoglyceromutase; 2,3-diphosphoglyceromutase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 5.4.2.4
CAS No.	37211-69-1
Reaction	3-phospho-D-glyceroyl phosphate = 2,3-bisphospho-D-glycerate
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 ℃.