Creative Enzymes®

phosphoglycerate mutase (2,3-diphosphoglycerate-independent)

Cat. No. EXWM-5523

Lot. No. (See product label)

Introduction

Description	The enzymes from higher plants, algae, fungi, nematodes, sponges, coelenterates, myriapods, arachnids, echinoderms, archaea and some bacteria (particularly Gram-positive) have maximum activity in the absence of 2,3-bisphospho-D-glycerate. cf. EC 5.4.2.11 phosphoglycerate mutase (2,3-diphosphoglycerate-dependent). The enzyme contains two Mn2+ (or in some species two Co2+ ions). The reaction involves a phosphotransferase reaction to serine followed by transfer back to the glycerate at the other position. Both metal ions are involved in the reaction.
Synonyms	cofactor independent phosphoglycerate mutase; 2,3-diphosphoglycerate-independent phosphoglycerate mutase; phosphoglycerate phosphomutase (ambiguous); phosphoglyceromutase (ambiguous); monophosphoglycerate mutase (ambiguous); monophosphoglyceromutase (ambiguous); GriP mutase (ambiguous); PGA mutase (ambiguous); iPGM; iPGAM; PGAM-i

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 5.4.2.12
Reaction	2-phospho-D-glycerate = 3-phospho-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 ℃.