Creative Enzymes®

glycerol-3-phosphate 1-dehydrogenase (NADP+)

Cat. No. EXWM-0080

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD+ or NADP+ as acceptor. The systematic name of this enzyme class is sn-glycerol-3-phosphate:NADP+ 1-oxidoreductase. Other names in common use include glycerol phosphate (nicotinamide adenine dinucleotide phosphate), dehydrogenase, L-glycerol 3-phosphate:NADP+ oxidoreductase, glycerin-3-phosphate dehydrogenase, NADPH-dependent glycerin-3-phosphate dehydrogenase, and glycerol-3-phosphate 1-dehydrogenase (NADP+).
Synonyms	glycerol phosphate (nicotinamide adenine dinucleotide phosphate) dehydrogenase; L-glycerol 3-phosphate:NADP+ oxidoreductase; glycerin-3-phosphate dehydrogenase; NADPH-dependent glycerin-3-phosphate dehydrogenase; NADP-specific glycerol 3-phosphate 1-dehydrogenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.177
CAS No.	37213-46-0
Reaction	sn-glycerol 3-phosphate + NADP+ = D-glyceraldehyde 3-phosphate + NADPH + H+
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 ℃.