

glyceraldehyde-3-phosphate dehydrogenase (NADP+) (phosphorylating)

Cat. No. EXWM-1119

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the aldehyde or oxo group of donor with NAD⁺ or NADP⁺ as acceptor. This enzyme participates in the Calvin cycle which is an autotrophic carbon fixation pathway.

Synonyms

triosephosphate dehydrogenase (NADP⁺); dehydrogenase, glyceraldehyde phosphate (nicotinamide adenine dinucleotide phosphate) (phosphorylating); glyceraldehyde phosphate dehydrogenase (nicotinamide adenine dinucleotide phosphate) (phosphorylating); NADP⁺-glyceraldehyde-3-phosphate dehydrogenase; NADP⁺-glyceraldehyde phosphate dehydrogenase; NADP⁺-dependent glyceraldehyde phosphate dehydrogenase; NADP⁺-triose phosphate dehydrogenase; glyceraldehyde-3-phosphate dehydrogenase (NADP⁺) (phosphorylating); GAPDH

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.2.1.13

CAS No.

37250-87-6

Reaction

D-glyceraldehyde 3-phosphate + phosphate + NADP⁺ = 3-phospho-D-glyceroyl 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.