Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.