Creative Enzymes®

glyceraldehyde-3-phosphate dehydrogenase (ferredoxin)

Cat. No. EXWM-1229

Lot. No. (See product label)

Introduction

Description	Contains tungsten-molybdopterin and iron-sulfur clusters. This enzyme is thought to function in place of glyceralde-3-phosphate dehydrogenase and possibly phosphoglycerate kinase in the novel Embden-Meyerhof-type glycolytic pathway found in Pyrococcus furiosus. It is specific for glyceraldehyde-3-phosphate.
Synonyms	GAPOR; glyceraldehyde-3-phosphate Fd oxidoreductase; glyceraldehyde-3-phosphate ferredoxin reductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.2.7.6
CAS No.	162995-20-2
Reaction	D-glyceraldehyde-3-phosphate + H2O + 2 oxidized ferredoxin = 3-phospho-D-glycerate + 2H+ + 2 reduced ferredoxin
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 ℃.