

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