

Native *Pediococcus* sp. Glycerol-3-phosphate oxidase

Cat. No. DIA-154

Lot. No. (See product label)

Introduction

Description In enzymology, a glycerol-3-phosphate oxidase (EC 1.1.3.21) is an enzyme that catalyzes the chemical reaction: sn-glycerol 3-phosphate + O₂ ⇌ glycerone phosphate + H₂O₂. Thus, the two substrates of this enzyme are sn-glycerol 3-phosphate and O₂, whereas its two products are glycerone phosphate and H₂O₂.

Synonyms glycerol-3-phosphate oxidase; EC 1.1.3.21; sn-glycerol-3-phosphate: oxygen 2-oxidoreductase; glycerol phosphate oxidase; glycerol-1-phosphate oxidase; glycerol phosphate oxidase; L-alpha-glycerophosphate oxidase; alpha-glycerophosphate oxidase; L-alpha-glycerol-3-phosphate oxidase

Product Information

Source	Pediococcus sp.
Appearance	Yellowish powder
Form	Freeze dried powder
EC Number	EC 1.1.3.21
CAS No.	9046-28-0
Activity	> 40 U/mg
pH Stability	6.5-8.5 (25°C, 20 hrs)
Optimum pH	8.0-8.5
Thermal stability	Stable at 40°C and below (pH 7.0, 15 mins)

Storage and Shipping Information

Storage Store in tightly closed containers, desiccated, protected from light, at -20°C.