

glycerate dehydrogenase

Cat. No. EXWM-0198

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD⁺ or NADP⁺ as acceptor. The systematic name of this enzyme class is (R)-glycerate:NAD⁺ oxidoreductase. Other names in common use include D-glycerate dehydrogenase, and hydroxypyruvate reductase (due to the reversibility of the reaction). This enzyme participates in glycine, serine and threonine metabolism and glyoxylate and dicarboxylate metabolism.

Synonyms

D-glycerate dehydrogenase; hydroxypyruvate reductase; (R)-glycerate:NAD⁺ oxidoreductase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.29

CAS No.

9028-37-9

Reaction

D-glycerate + NAD⁺ = hydroxypyruvate + NADH + 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.