Creative Enzymes®

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