Creative Enzymes®

glycerol 2-dehydrogenase (NADP+)

Cat. No. EXWM-0060

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 glycerol:NADP+ 2-oxidoreductase (glycerone-forming). Other names in common use include dihydroxyacetone reductase, dihydroxyacetone (reduced nicotinamide adenine dinucleotide, phosphate) reductase, dihydroxyacetone reductase (NADPH), DHA oxidoreductase, and glycerol 2-dehydrogenase (NADP+). This enzyme participates in glycerolipid metabolism.
Synonyms	dihydroxyacetone reductase; dihydroxyacetone (reduced nicotinamide adenine dinucleotide phosphate) reductase; dihydroxyacetone reductase (NADPH); DHA oxidoreductase; glycerol 2-dehydrogenase (NADP)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.156
CAS No.	39342-20-6
Reaction	glycerol + NADP+ = glycerone + NADPH + 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 ℃.