Creative Enzymes®

mannitol-1-phosphate 5-dehydrogenase

Cat. No. EXWM-0073

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 D-mannitol-1-phosphate:NAD+ 2-oxidoreductase. Other names in common use include hexose reductase, mannitol 1-phosphate dehydrogenase, D-mannitol-1-phosphate dehydrogenase, and fructose 6-phosphate reductase. This enzyme participates in fructose and mannose metabolism.
Synonyms	hexose reductase; mannitol 1-phosphate dehydrogenase; D-mannitol-1-phosphate dehydrogenase; fructose 6-phosphate reductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.17
CAS No.	9028-24-4
Reaction	D-mannitol 1-phosphate + NAD+ = D-fructose 6-phosphate + 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 ℃.