Creative Enzymes®

sorbitol-6-phosphate 2-dehydrogenase

Cat. No. EXWM-0044

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

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.140
CAS No.	37250-69-4
Reaction	D-sorbitol 6-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 ℃.