

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