

fructose 5-dehydrogenase (NADP+)

Cat. No. EXWM-0028

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-fructose:NADP⁺ 5-oxidoreductase. Other names in common use include 5-ketofructose reductase (NADP⁺), 5-keto-D-fructose reductase (NADP⁺), fructose 5-(nicotinamide adenine dinucleotide phosphate), dehydrogenase, D-(-)fructose:(NADP⁺) 5-oxidoreductase, and fructose 5-dehydrogenase (NADP⁺).

Synonyms

5-ketofructose reductase (NADP); 5-keto-D-fructose reductase (NADP⁺); fructose 5-(nicotinamide adenine dinucleotide phosphate) dehydrogenase; D-(-)fructose:(NADP⁺) 5-oxidoreductase; fructose 5-dehydrogenase (NADP)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.124

CAS No.

37250-53-6

Reaction

D-fructose + NADP⁺ = 5-dehydro-D-fructose + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.