Creative Enzymes®

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