Creative Enzymes®

2-dehydro-3-deoxy-D-gluconate 6-dehydrogenase

Cat. No. EXWM-0030

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 2-dehydro-3-deoxy-D-gluconate:NADP+ 6-oxidoreductase. Other names in common use include 2-keto-3-deoxy-D-gluconate dehydrogenase, and 2-keto-3-deoxygluconate dehydrogenase.
Synonyms	2-keto-3-deoxy-D-gluconate dehydrogenase; 2-keto-3-deoxygluconate dehydrogenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.126
CAS No.	37250-55-8
Reaction	2-dehydro-3-deoxy-D-gluconate + NADP+ = (4S,5S)-4,5-dihydroxy-2,6-dioxohexanoate + 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 ℃.