Creative Enzymes®

3-dehydro-L-gulonate 2-dehydrogenase

Cat. No. EXWM-0034

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 3-dehydro-L-gulonate:NAD(P)+ 2-oxidoreductase. Other names in common use include 3-keto-L-gulonate dehydrogenase, 3-ketogulonate dehydrogenase, 3-keto-L-gulonate dehydrogenase, and 3-ketogulonate dehydrogenase. This enzyme participates in pentose and glucuronate interconversions and ascorbate and aldarate metabolism.
Synonyms	3-keto-L-gulonate dehydrogenase; 3-ketogulonate dehydrogenase; 3-keto-L-gulonate dehydrogenase; 3-ketogulonate dehydrogenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.130
CAS No.	37250-61-6
Reaction	3-dehydro-L-gulonate + NAD(P)+ = (4R,5S)-4,5,6-trihydroxy-2,3-dioxohexanoate + NAD(P)H + 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 ℃.