Creative Enzymes®

mannuronate reductase

Cat. No. EXWM-0035

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-mannonate:NAD(P)+ 6-oxidoreductase. Other names in common use include mannonate dehydrogenase, mannonate (nicotinamide adenine dinucleotide, (phosphate))dehydrogenase, mannonate dehydrogenase, mannuronate reductase, mannonate dehydrogenase (NAD(P)+), D-mannonate:nicotinamide adenine dinucleotide (phosphate, and oxidoreductase (D-mannuronate-forming)).
Synonyms	mannonate dehydrogenase; mannonate (nicotinamide adenine dinucleotide (phosphate))dehydrogenase; mannonate dehydrogenase; mannuronate reductase; mannonate dehydrogenase (NAD(P)+); D-mannonate:nicotinamide adenine dinucleotide (phosphate oxidoreductase (D-mannuronate-forming))

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.131
CAS No.	37250-62-7
Reaction	D-mannonate + NAD(P)+ = D-mannuronate + 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 ℃.