

## 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<sup>+</sup> or NADP<sup>+</sup> as acceptor. The systematic name of this enzyme class is D-mannonate:NAD(P)<sup>+</sup> 6-oxidoreductase. Other names in common use include mannonate dehydrogenase, mannonate (nicotinamide adenine dinucleotide, (phosphate))dehydrogenase, mannonate dehydrogenase, mannuronate reductase, mannonate dehydrogenase (NAD(P)<sup>+</sup>), 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)<sup>+</sup>); 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)<sup>+</sup> = D-mannuronate + NAD(P)H + H<sup>+</sup>

#### 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.