

## 2-dehydro-3-deoxy-D-gluconate 5-dehydrogenase

Cat. No. EXWM-0031

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from *Pseudomonas* acts equally well on NAD<sup>+</sup> or NADP<sup>+</sup>, while that from *Erwinia chrysanthemi* and *Escherichia coli* is more specific for NAD<sup>+</sup>.

#### Synonyms

2-keto-3-deoxygluconate 5-dehydrogenase; 2-keto-3-deoxy-D-gluconate dehydrogenase; 2-keto-3-deoxygluconate (nicotinamide adenine dinucleotide (phosphate)) dehydrogenase; 2-keto-3-deoxy-D-gluconate (3-deoxy-D-glycero-2,5-hexodiulosonic acid) dehydrogenase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.127

#### CAS No.

37250-56-9

#### Reaction

2-dehydro-3-deoxy-D-gluconate + NAD<sup>+</sup> = (4S)-4,6-dihydroxy-2,5-dioxohexanoate + NADH + 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.